

0002447608 22000

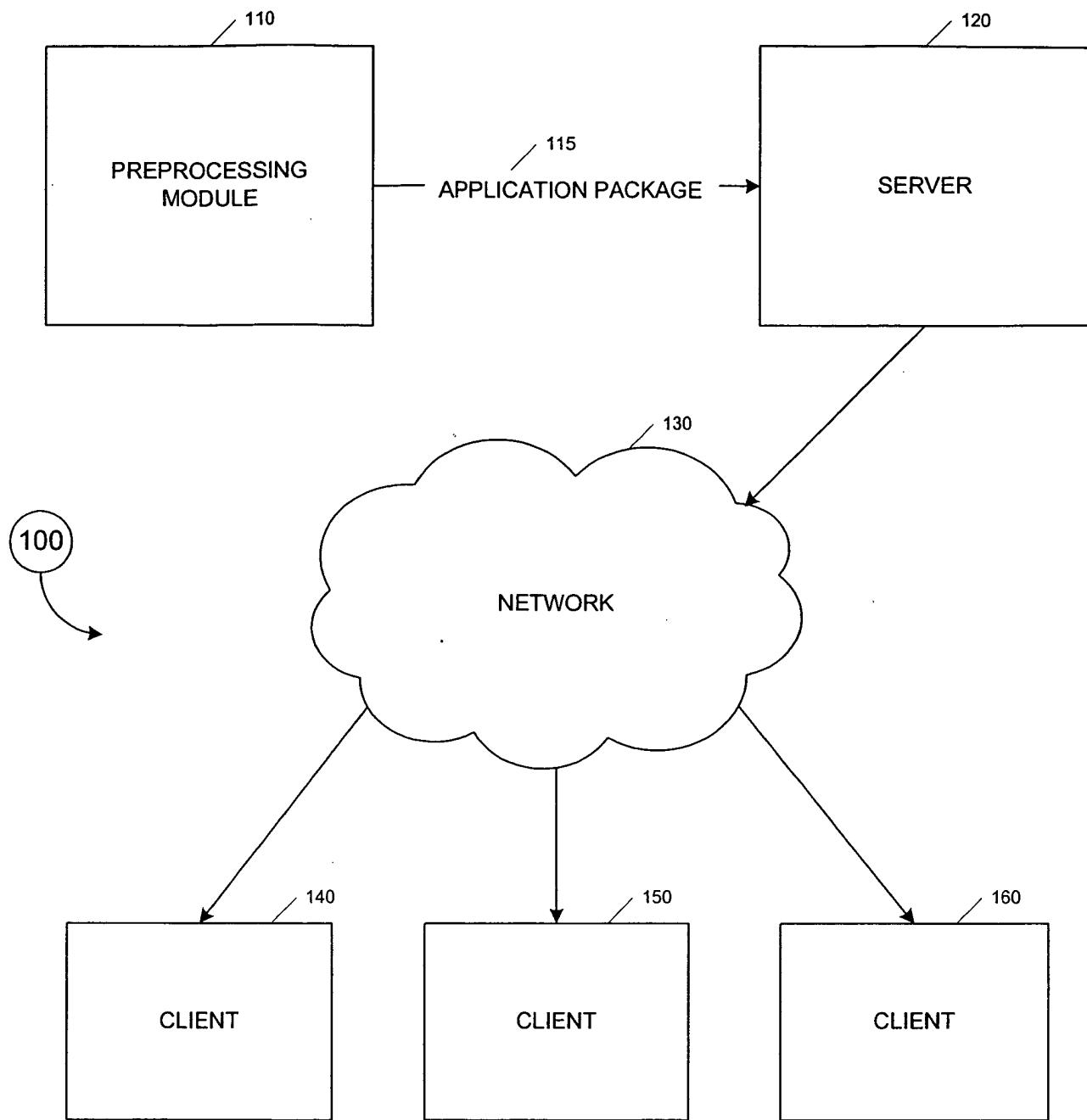


FIG. 1

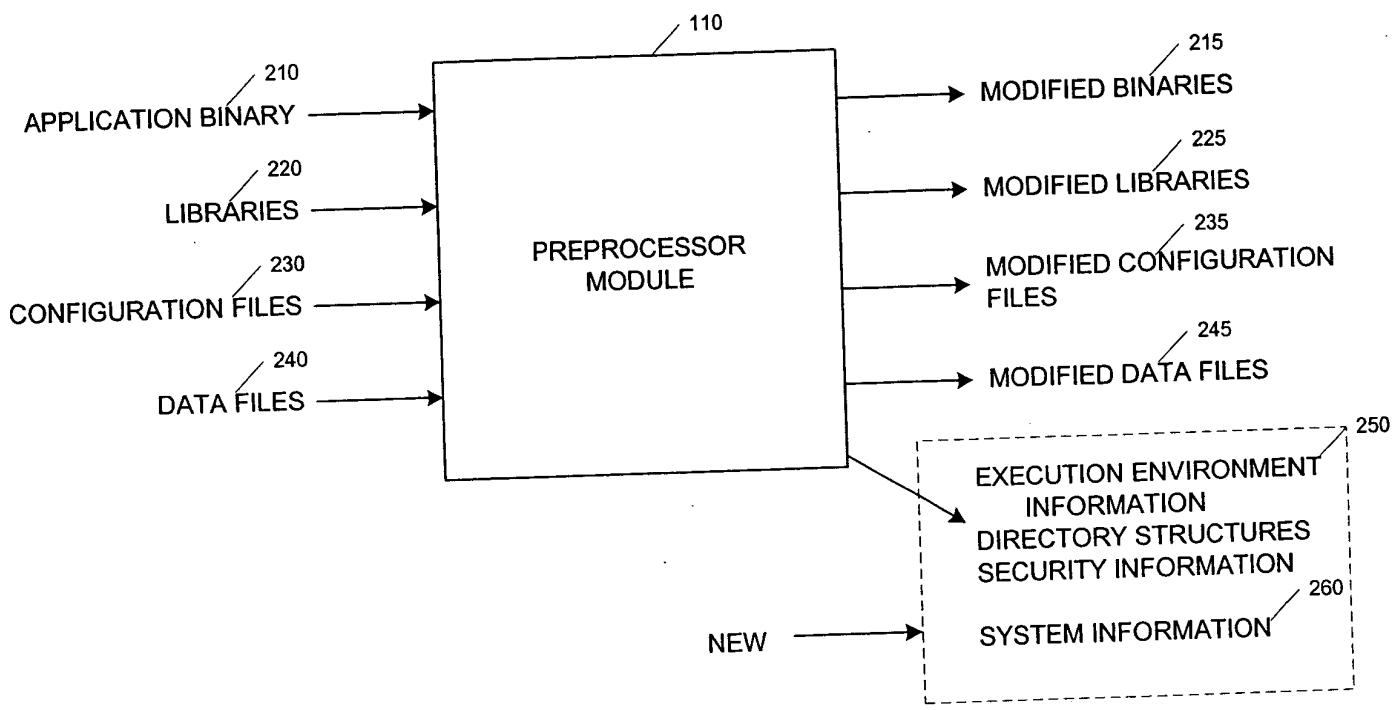


FIG. 2

NORMAL EXECUTION

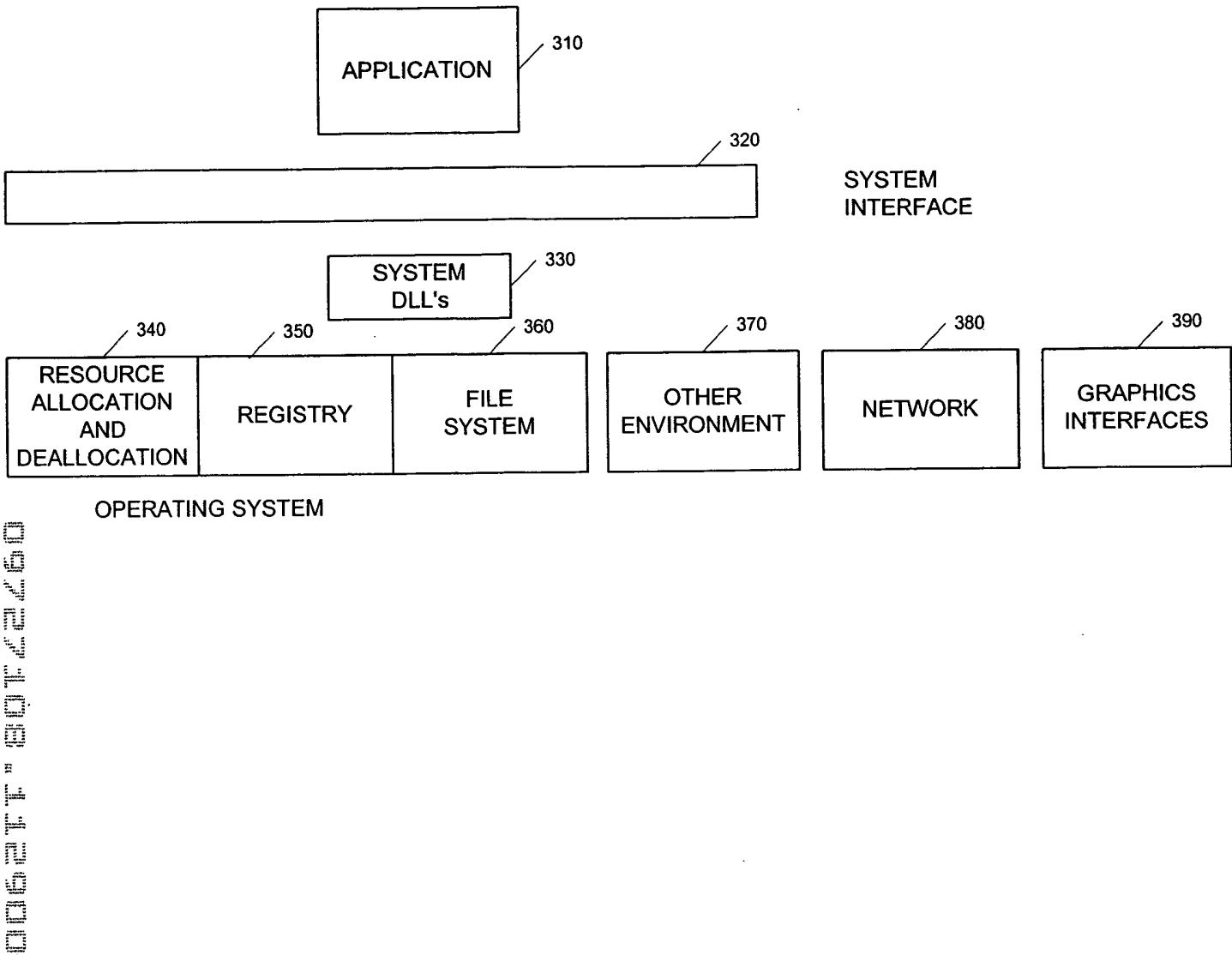


FIG. 3

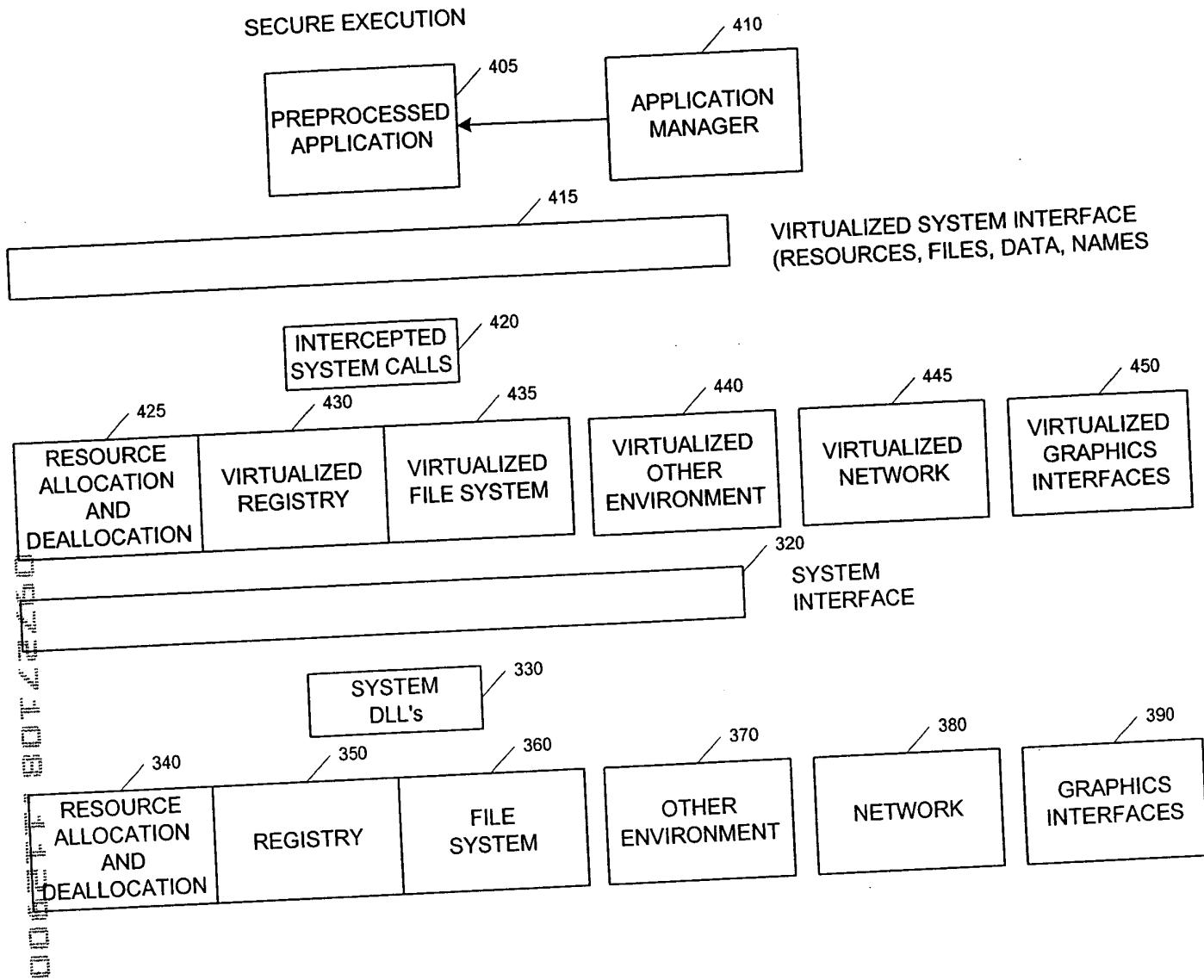


FIG. 4

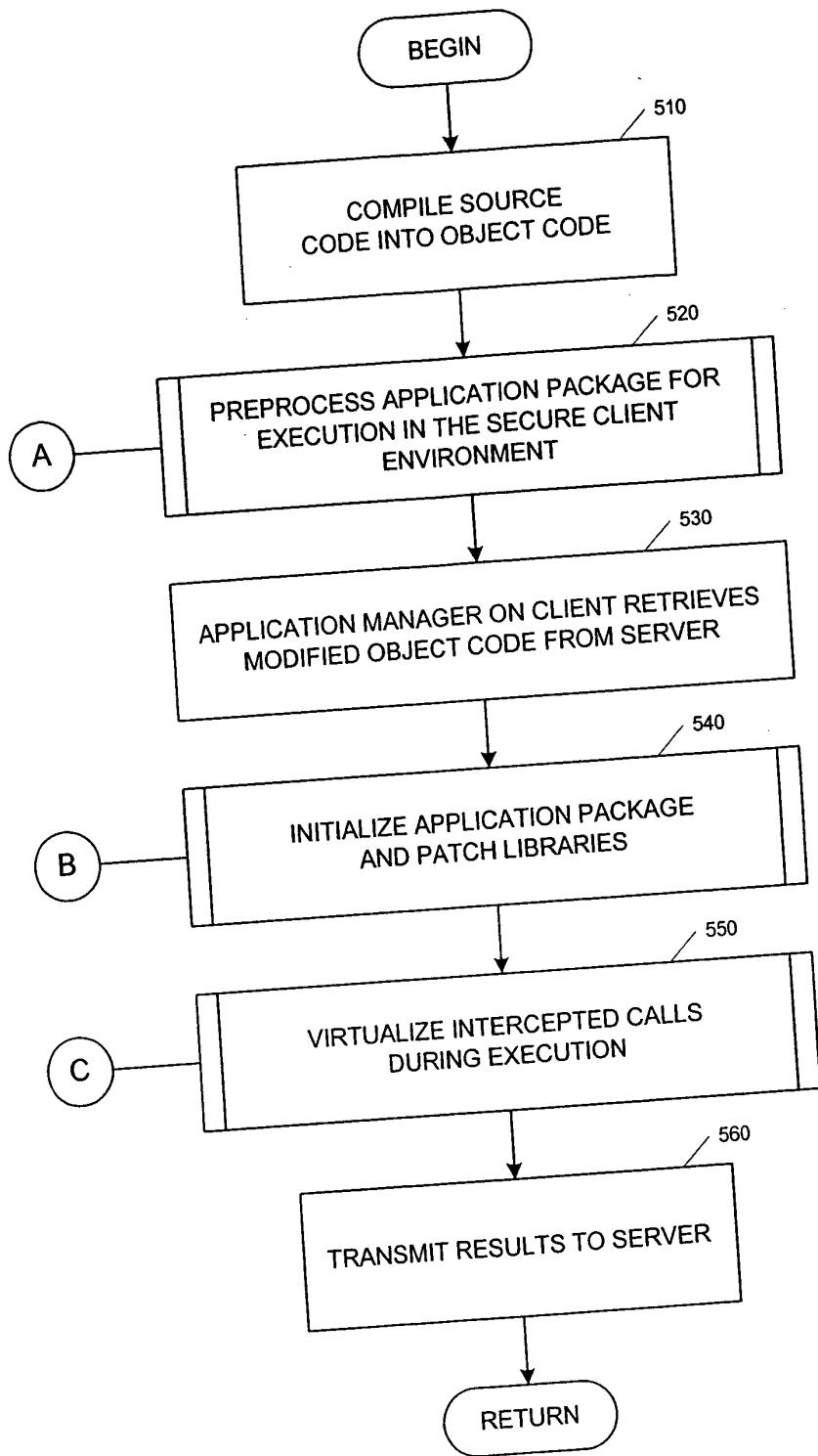


FIG. 5

520

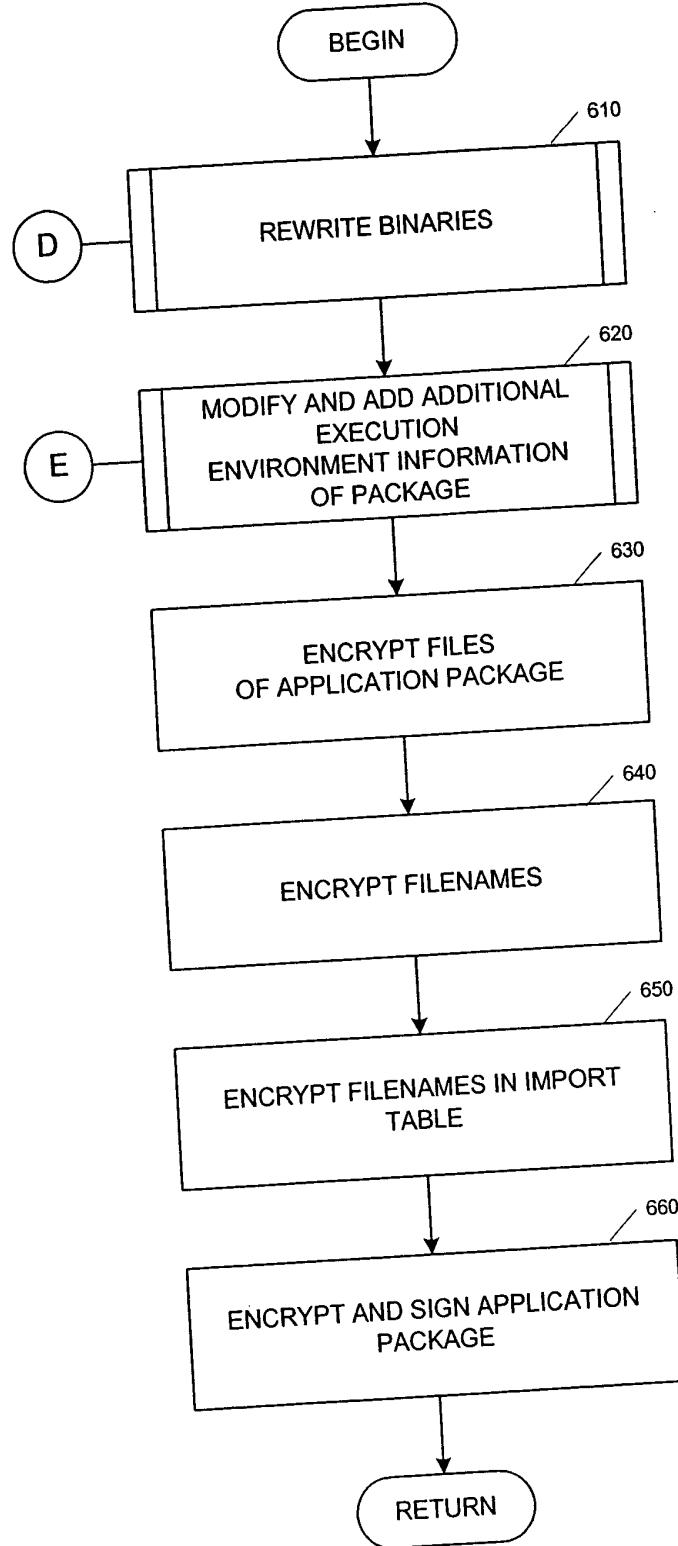


FIG. 6

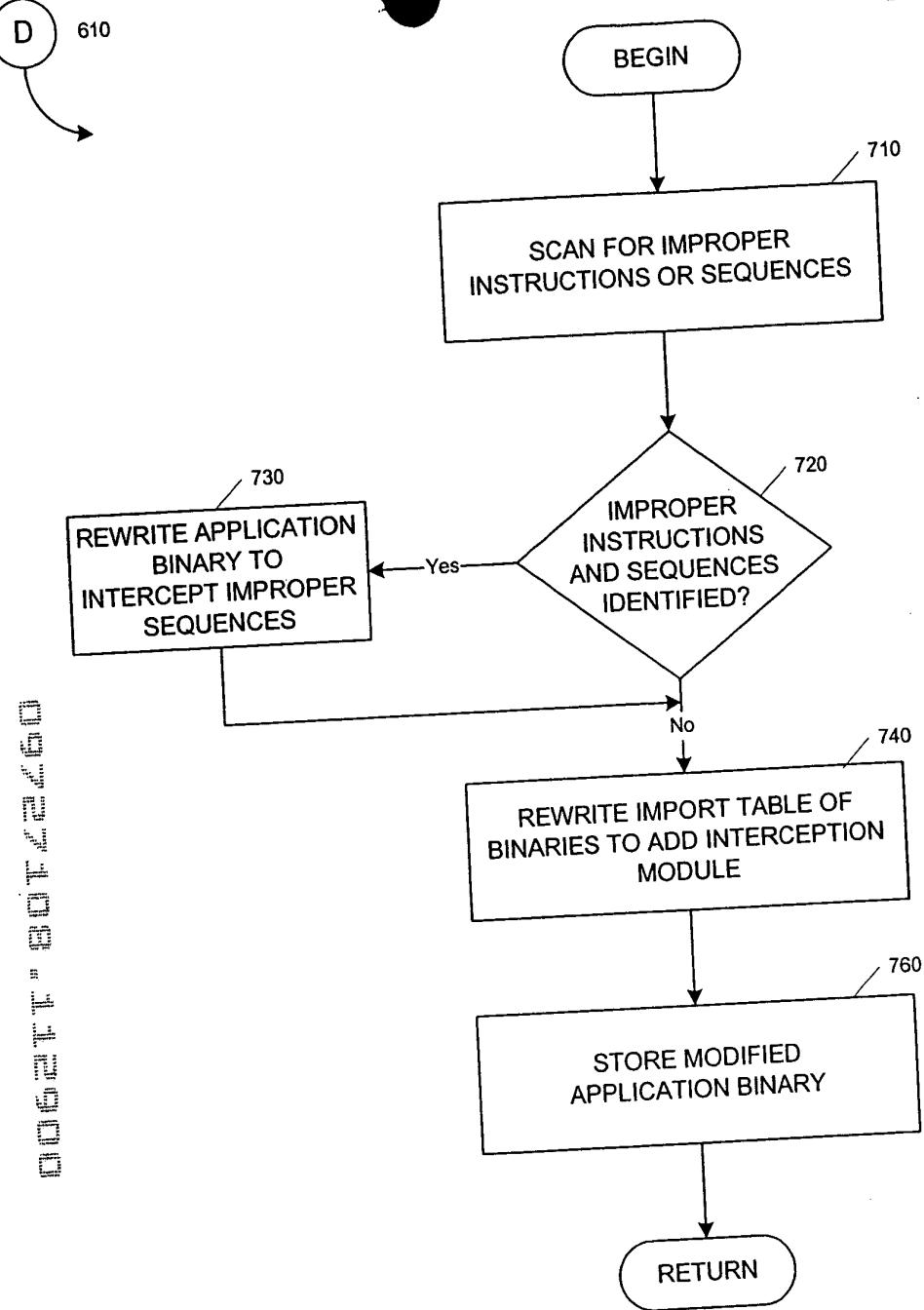
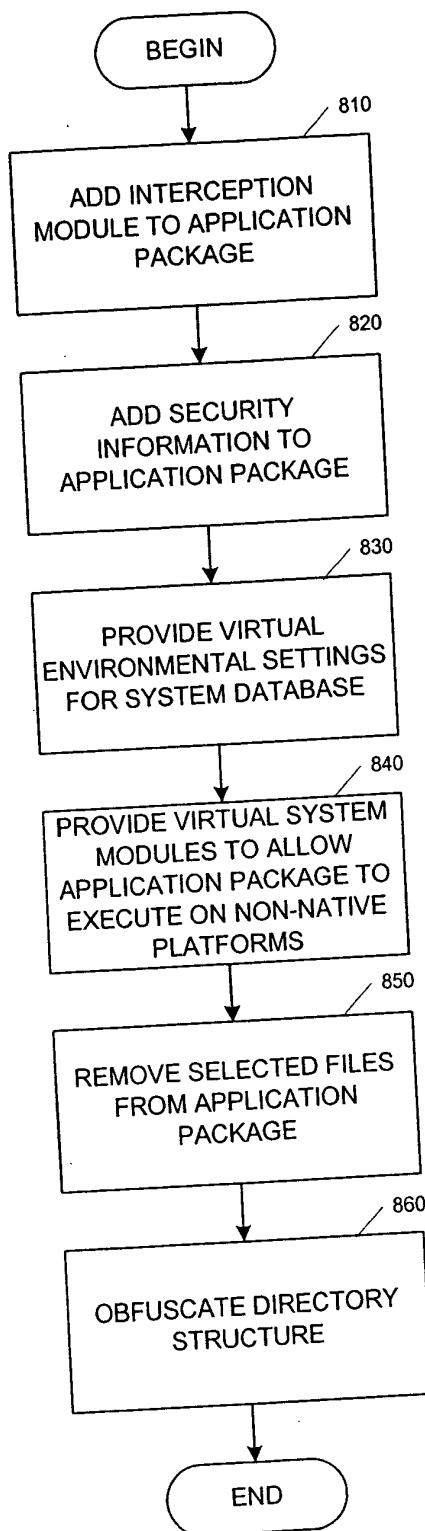


FIG. 7

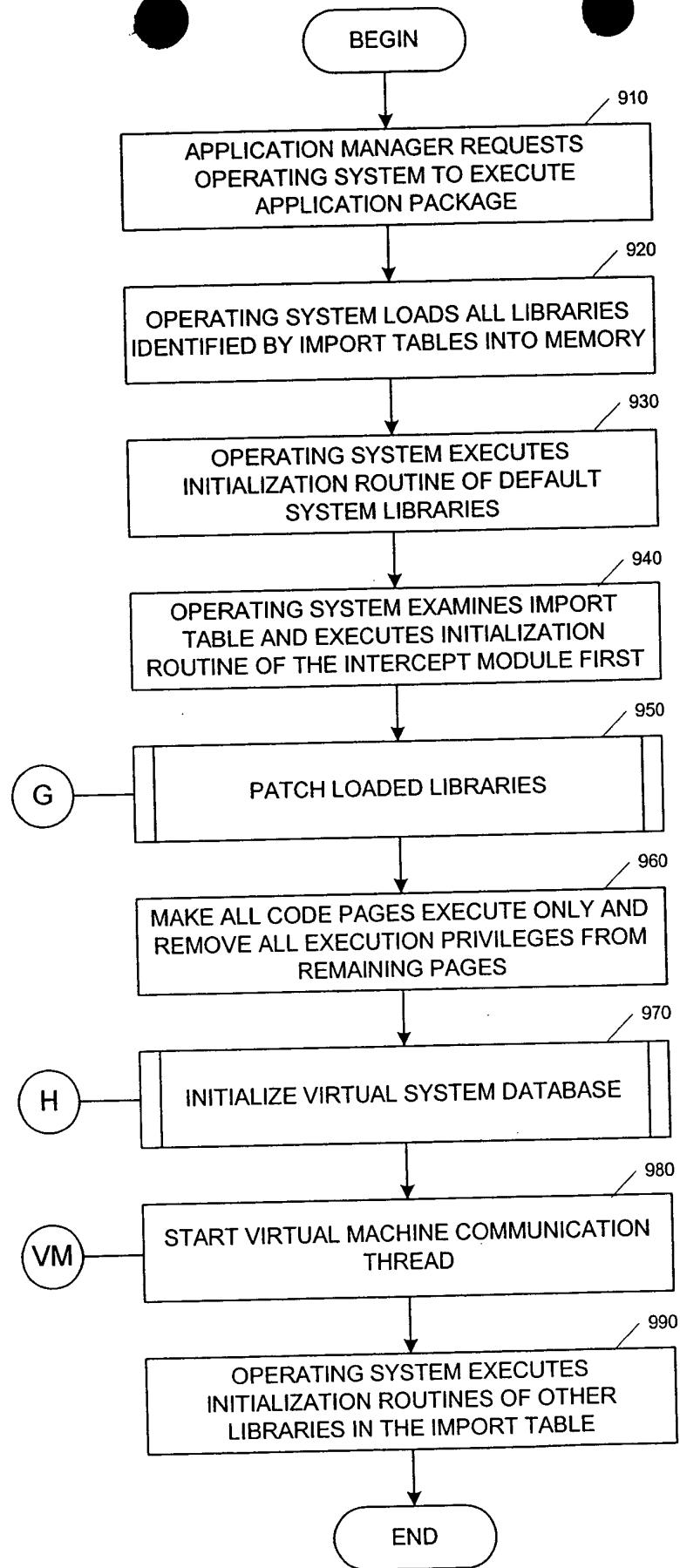
E
620



05227108 412900

FIG. 8

B 540



00277202-0000-0000-0000-000000000000

FIG. 9

G 950

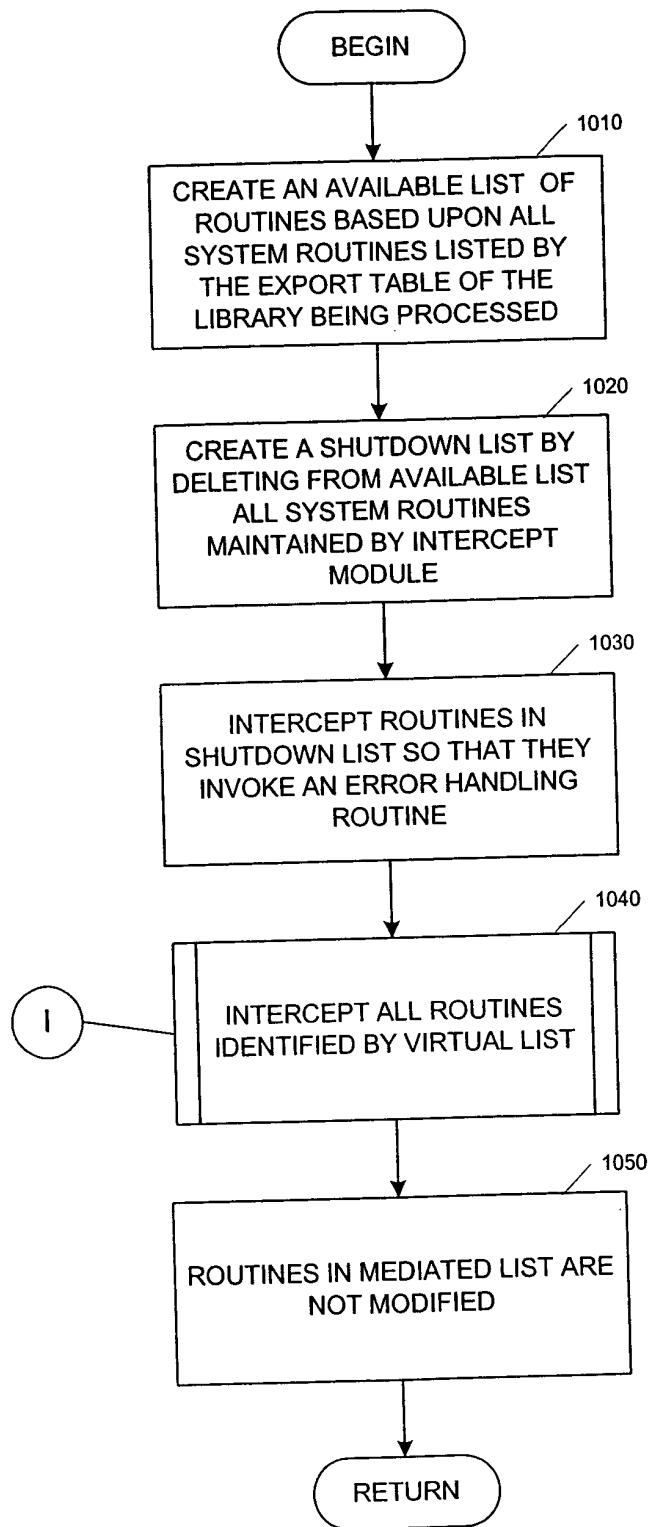


FIG. 10

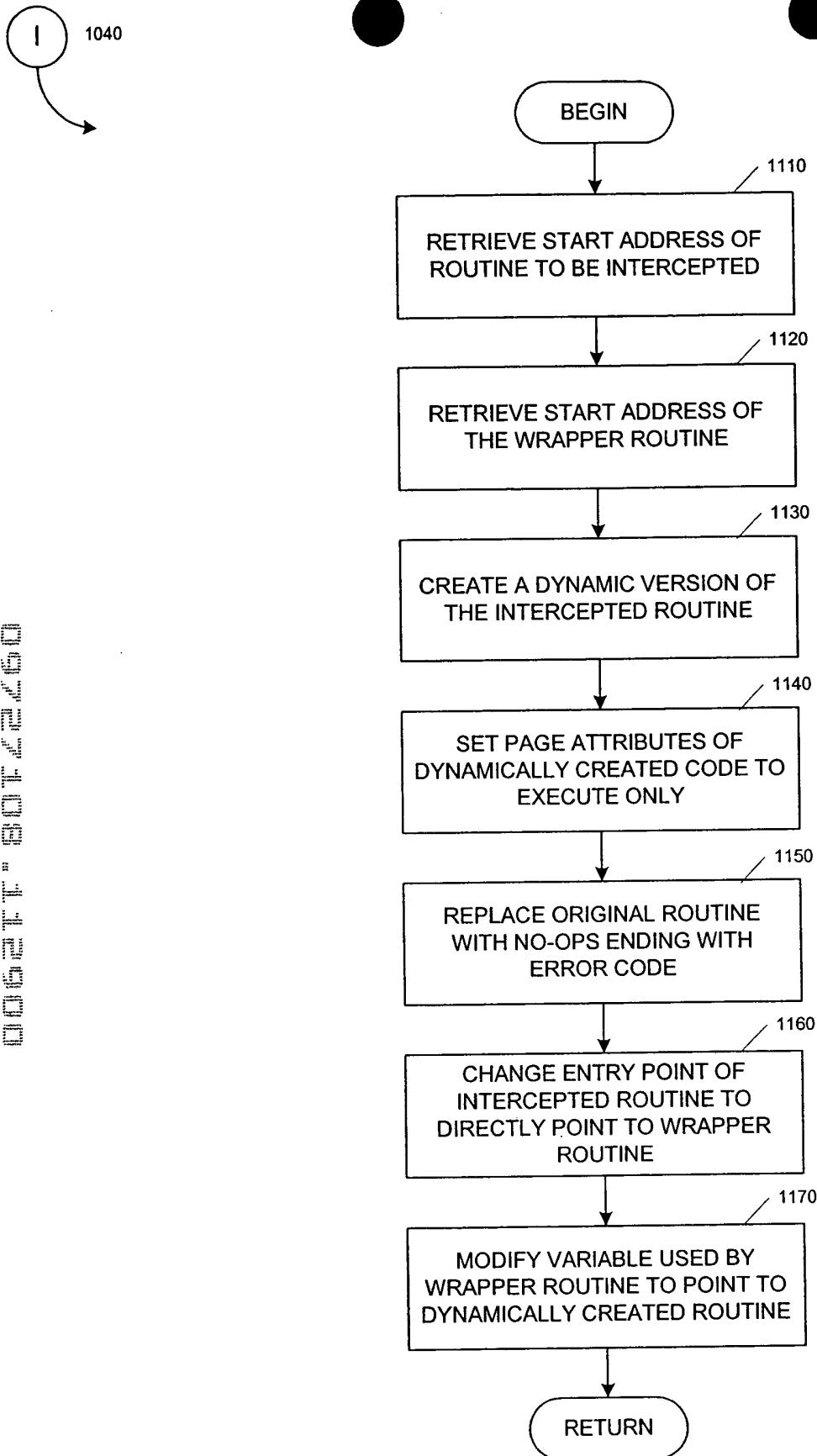


FIG. 11

H
970

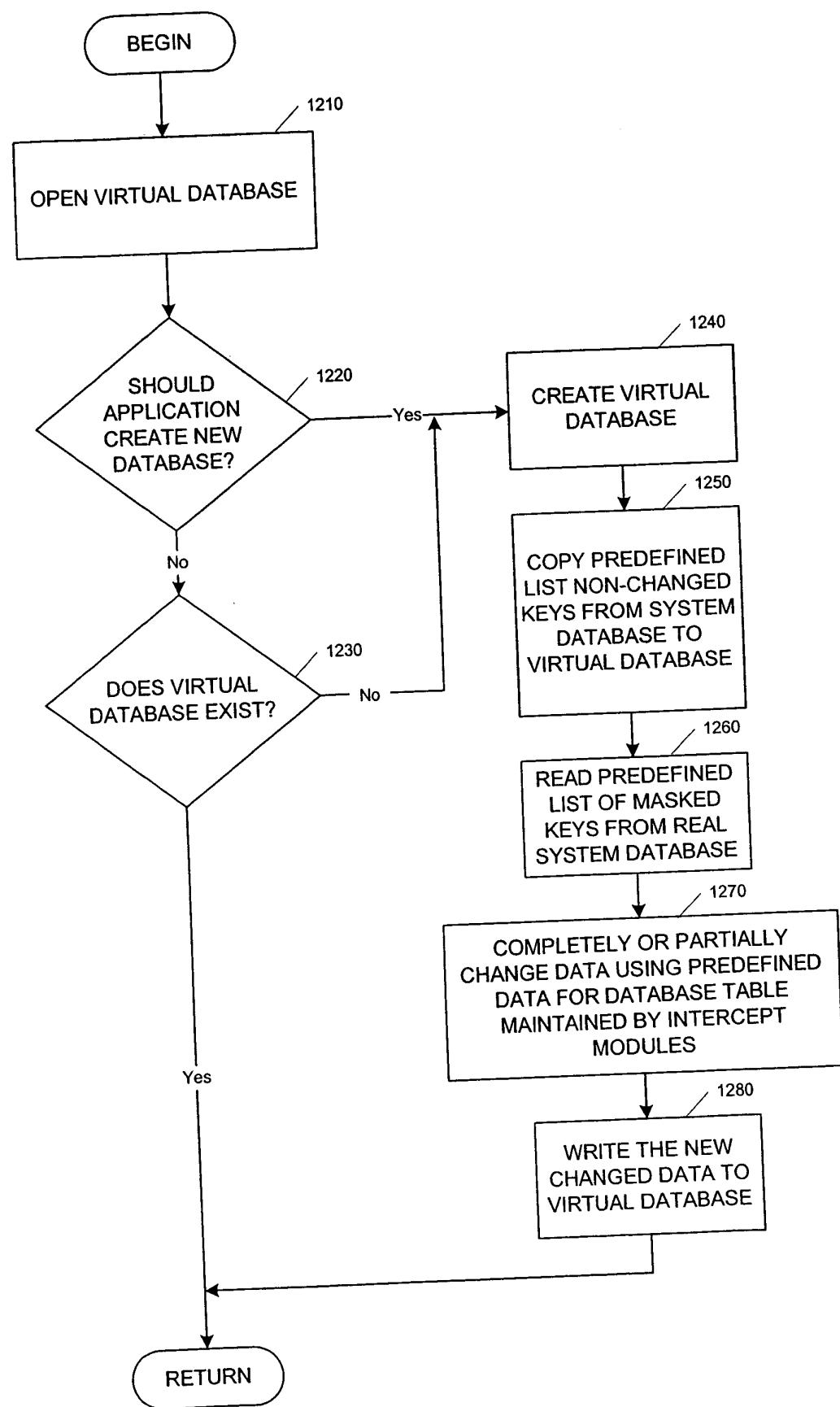


FIG. 12

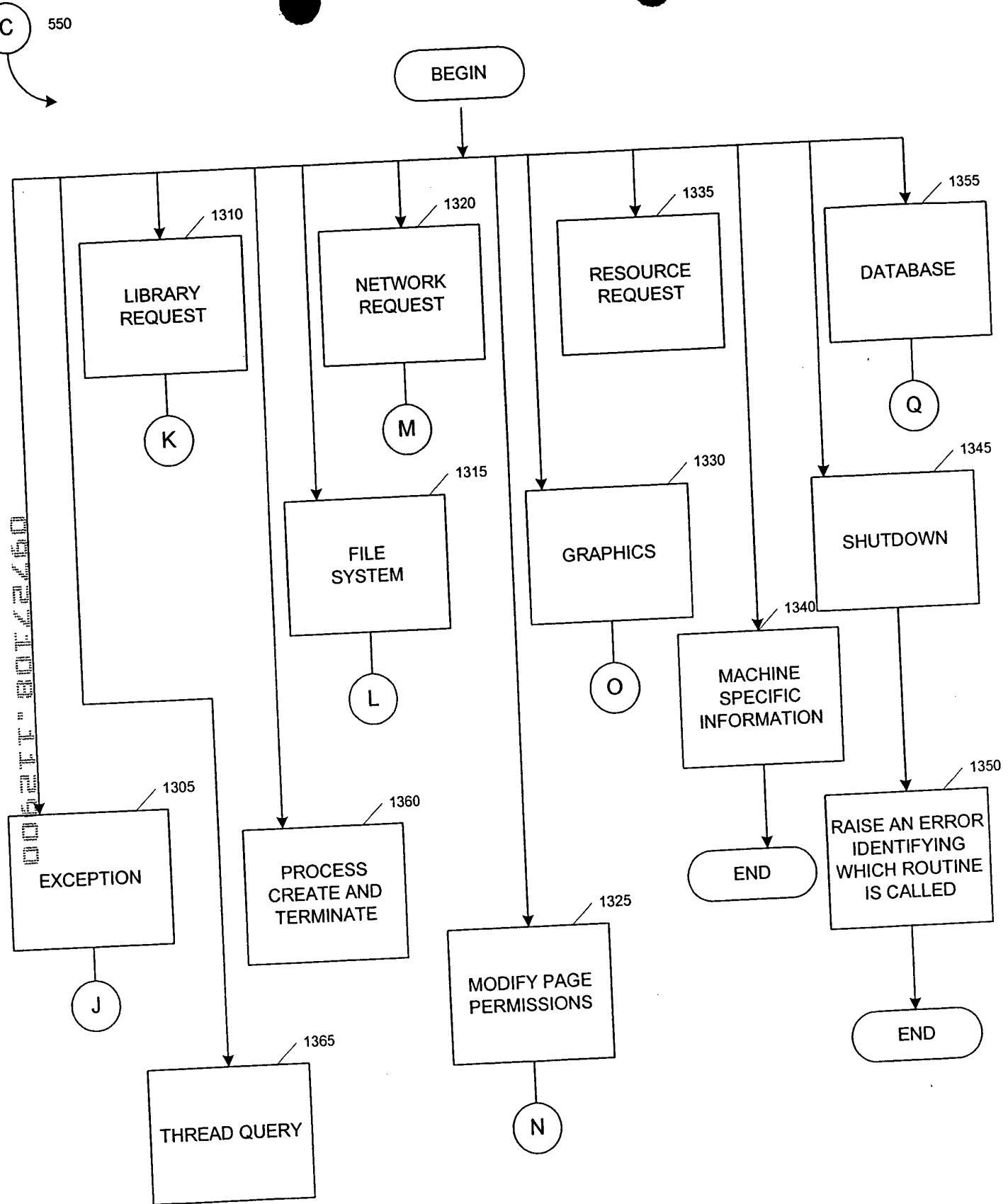


FIG. 13

DO NOT CALL FILESYSTEM REQUEST

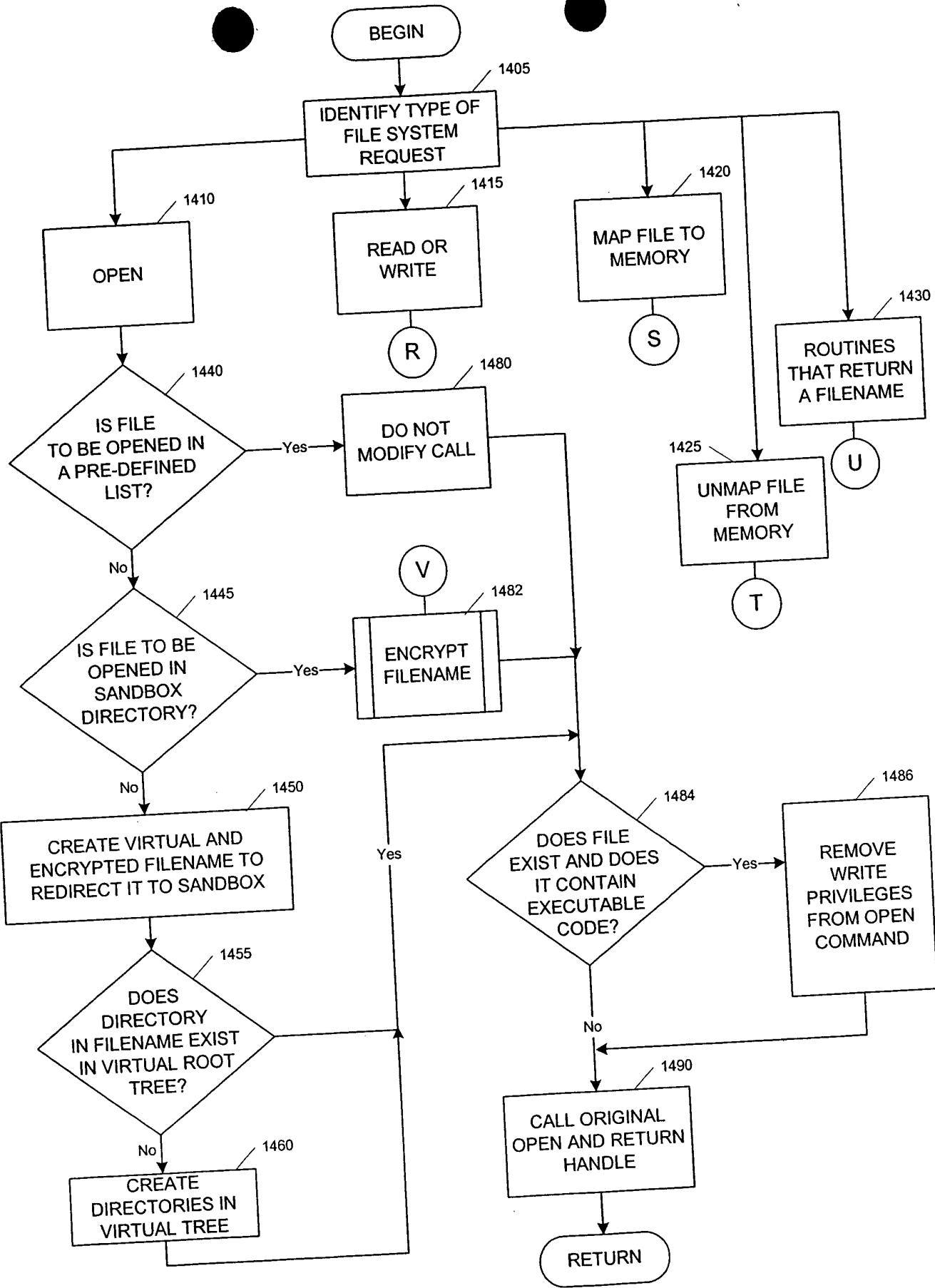


FIG. 14

00654717 80110900

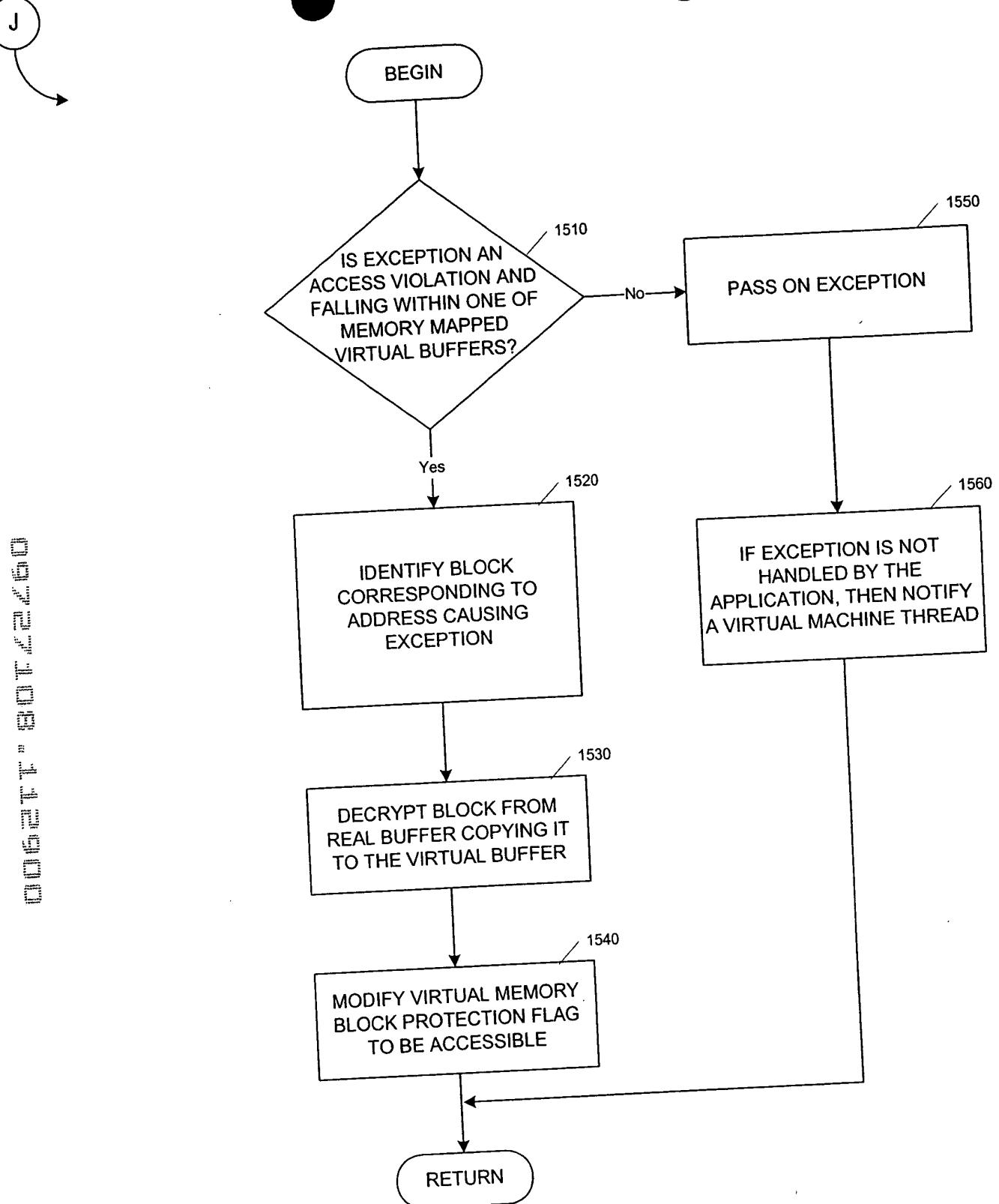


FIG. 15

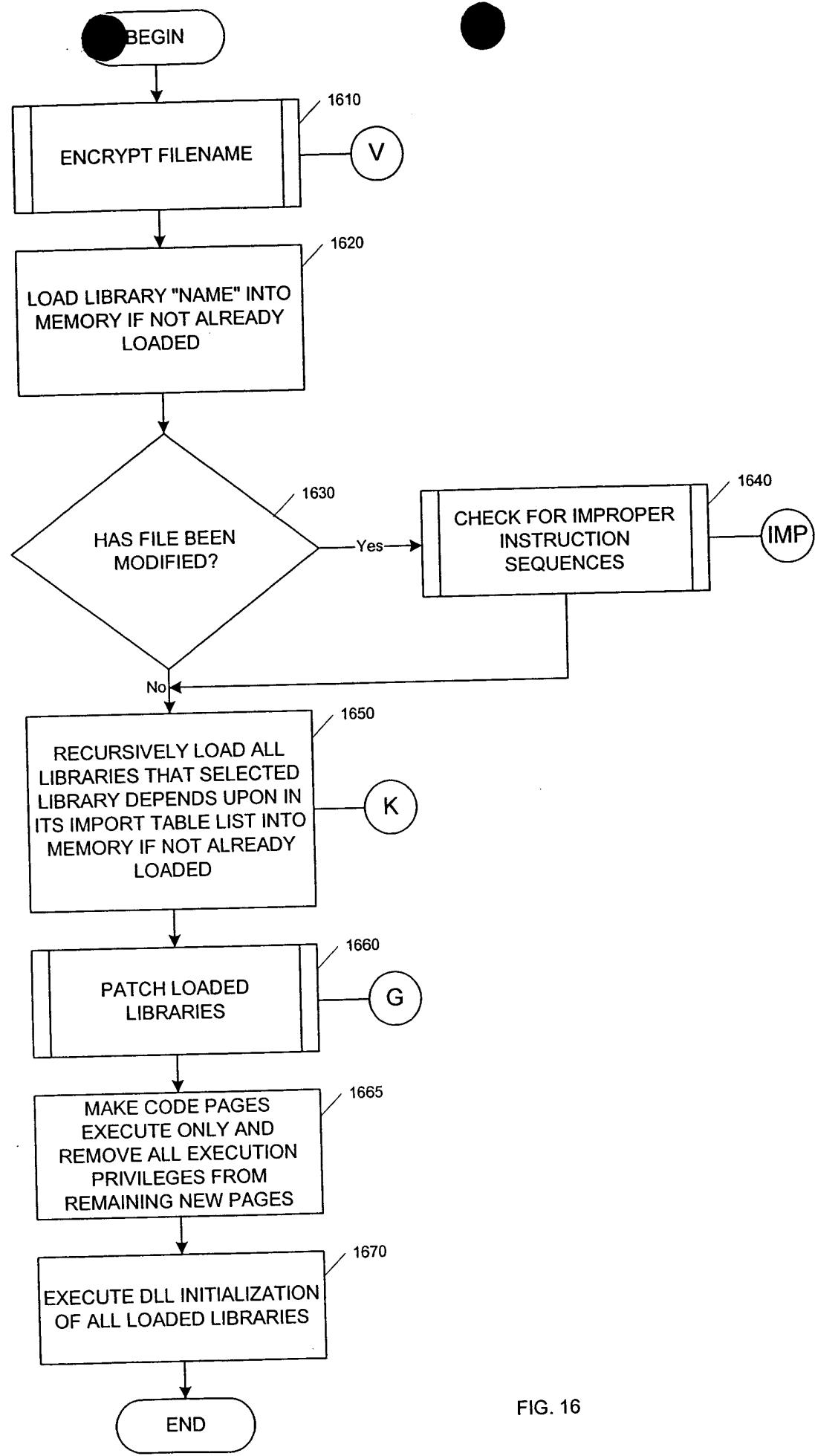


FIG. 16

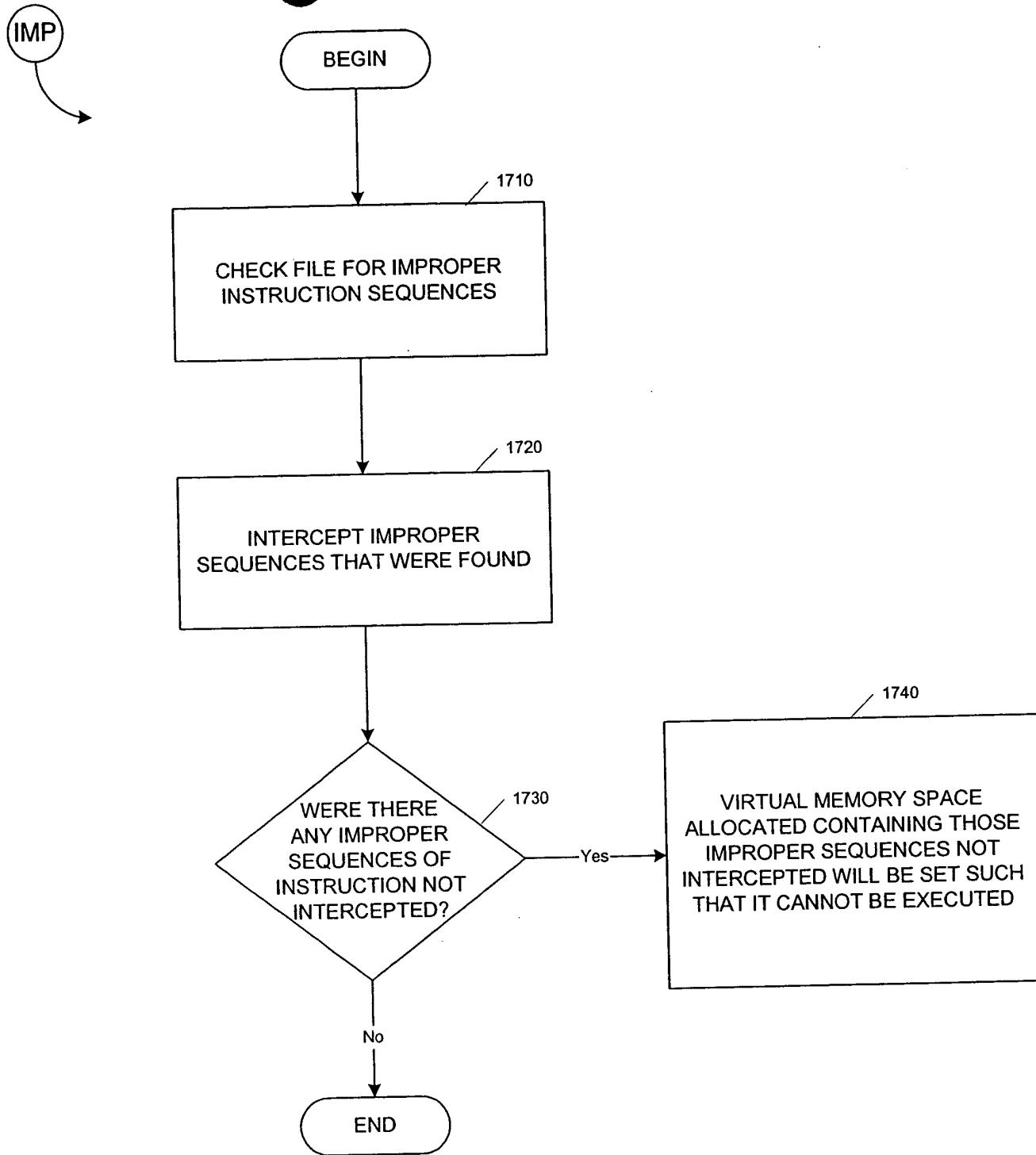


FIG. 17

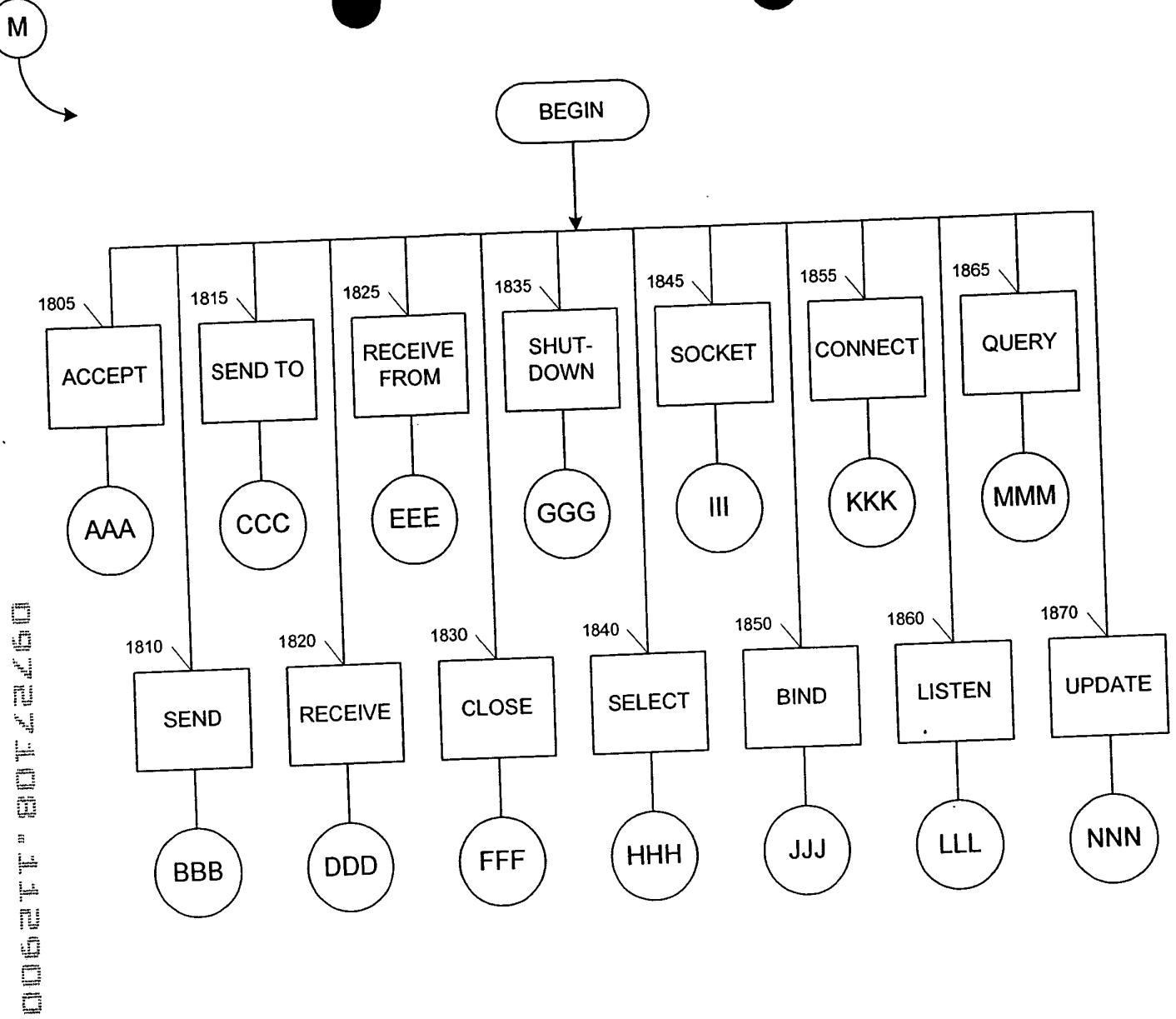


FIG. 18

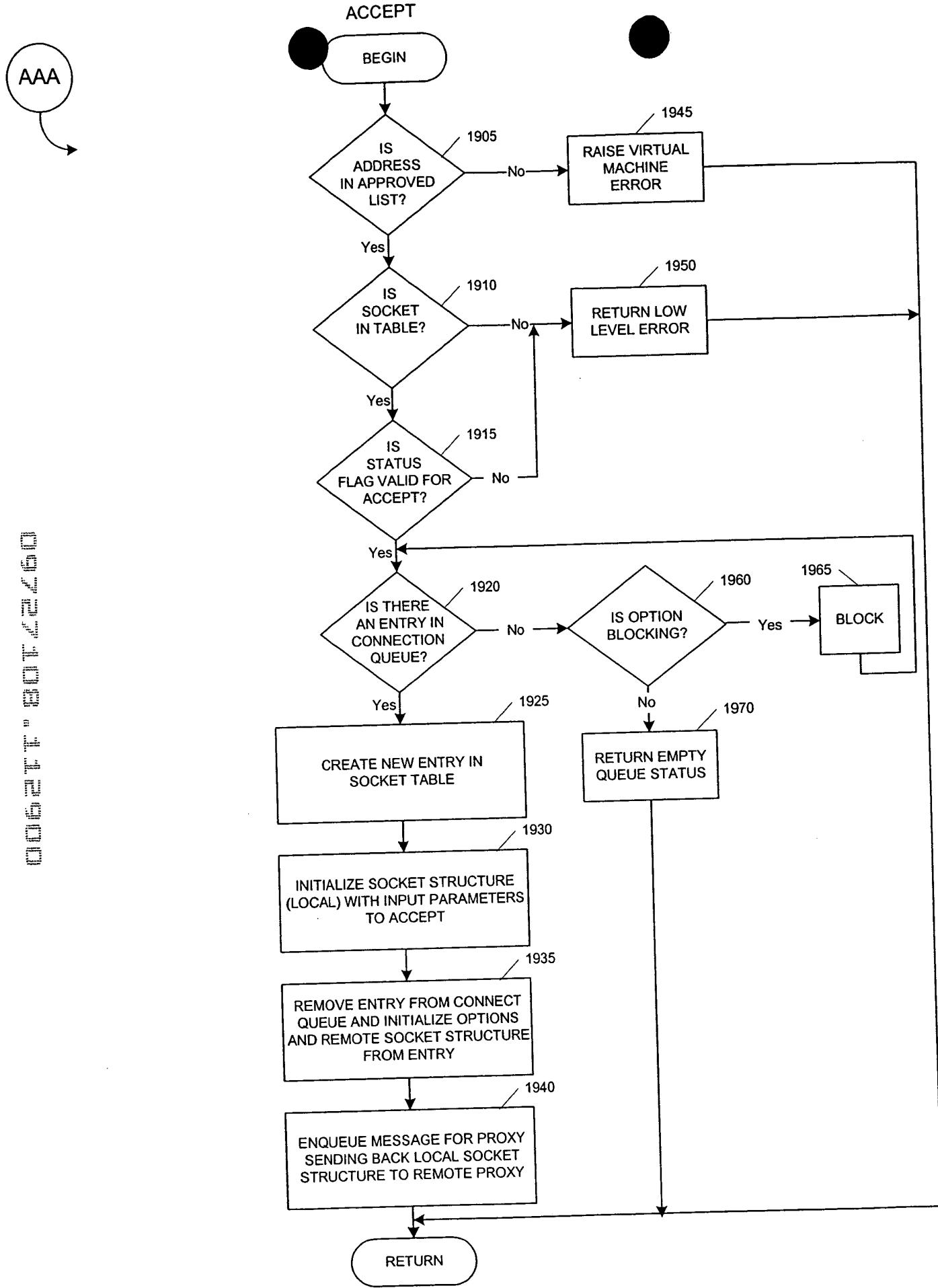


FIG. 19

BBB

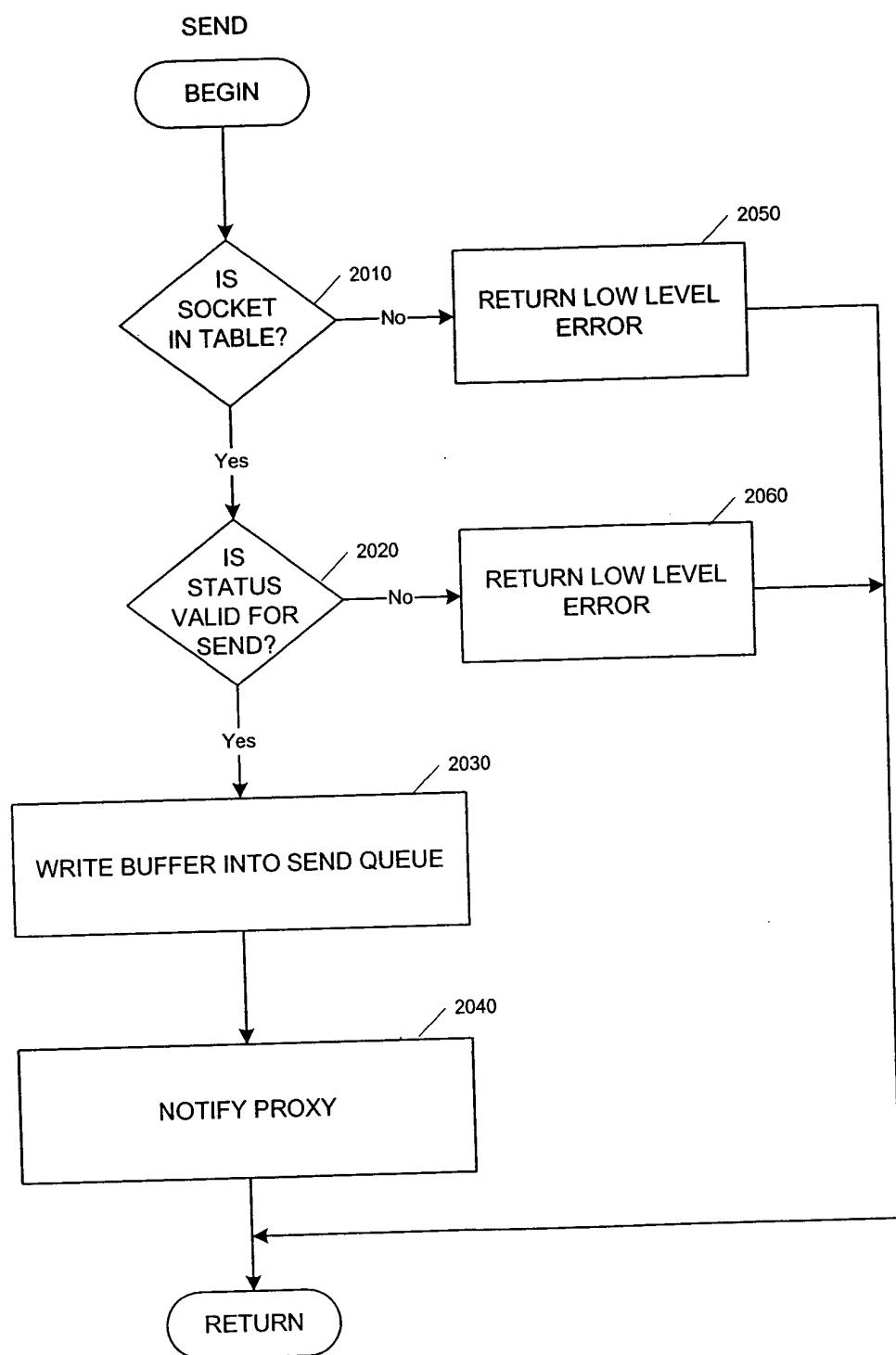


FIG. 20

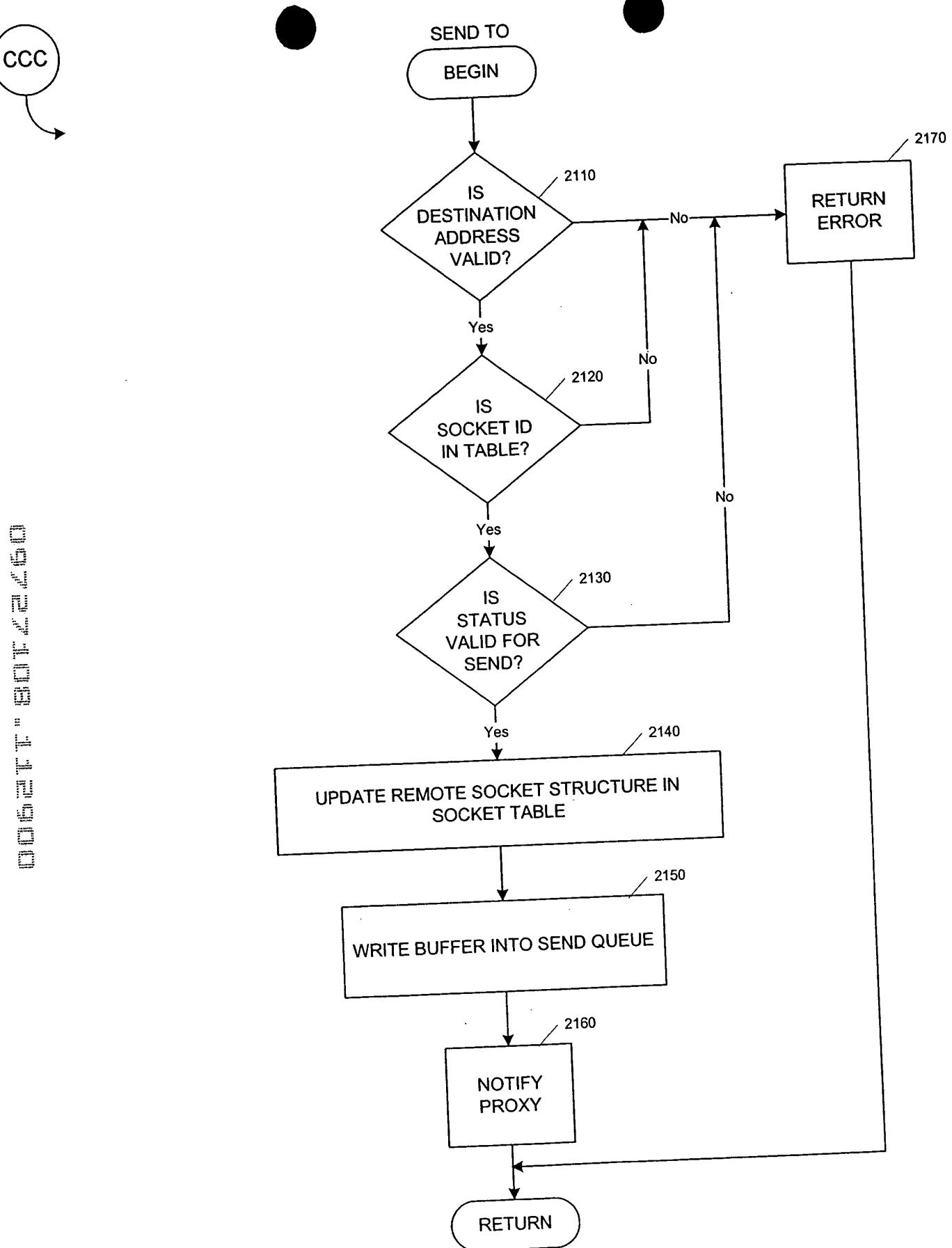


FIG. 21

DDD

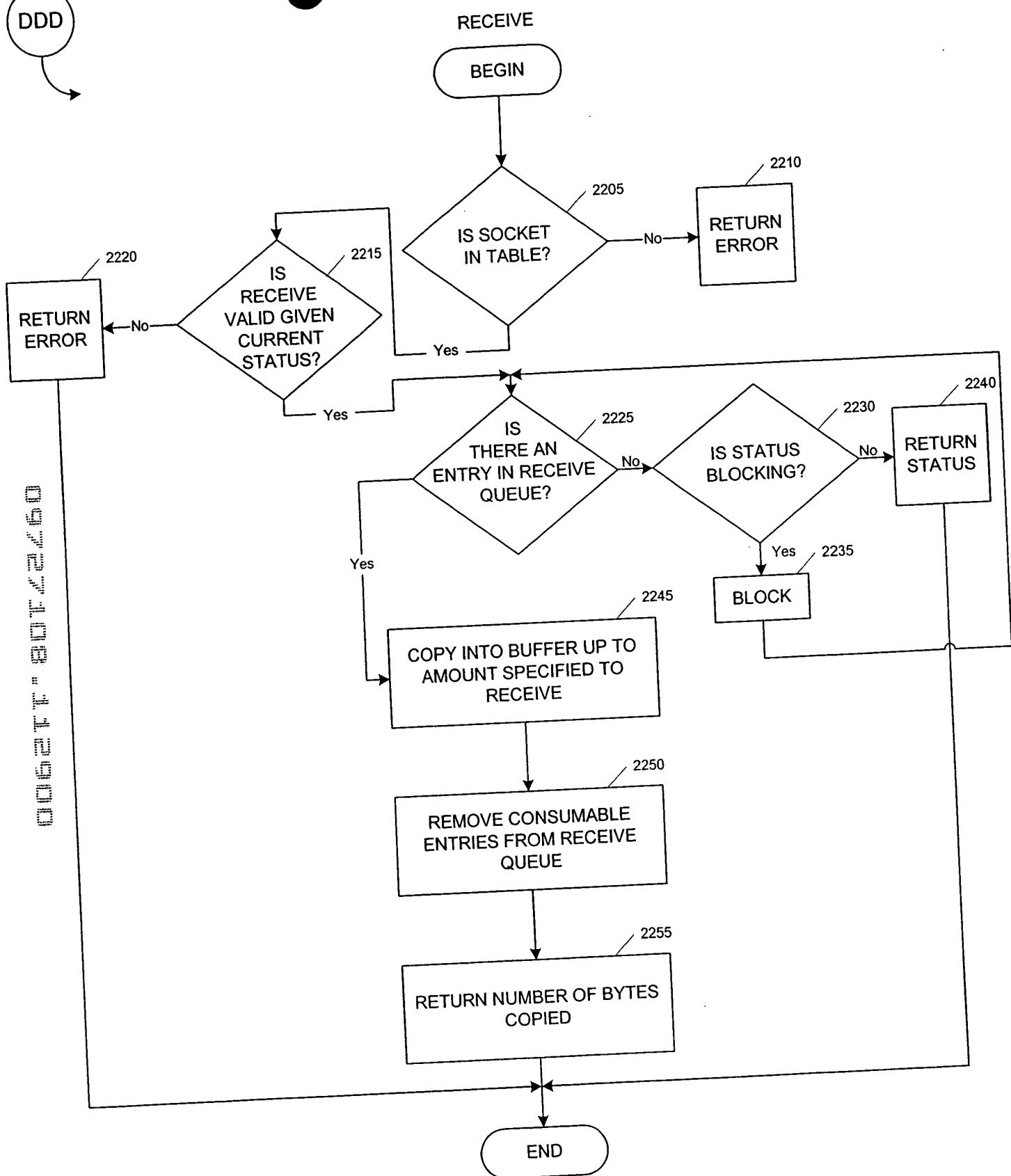


FIG. 22

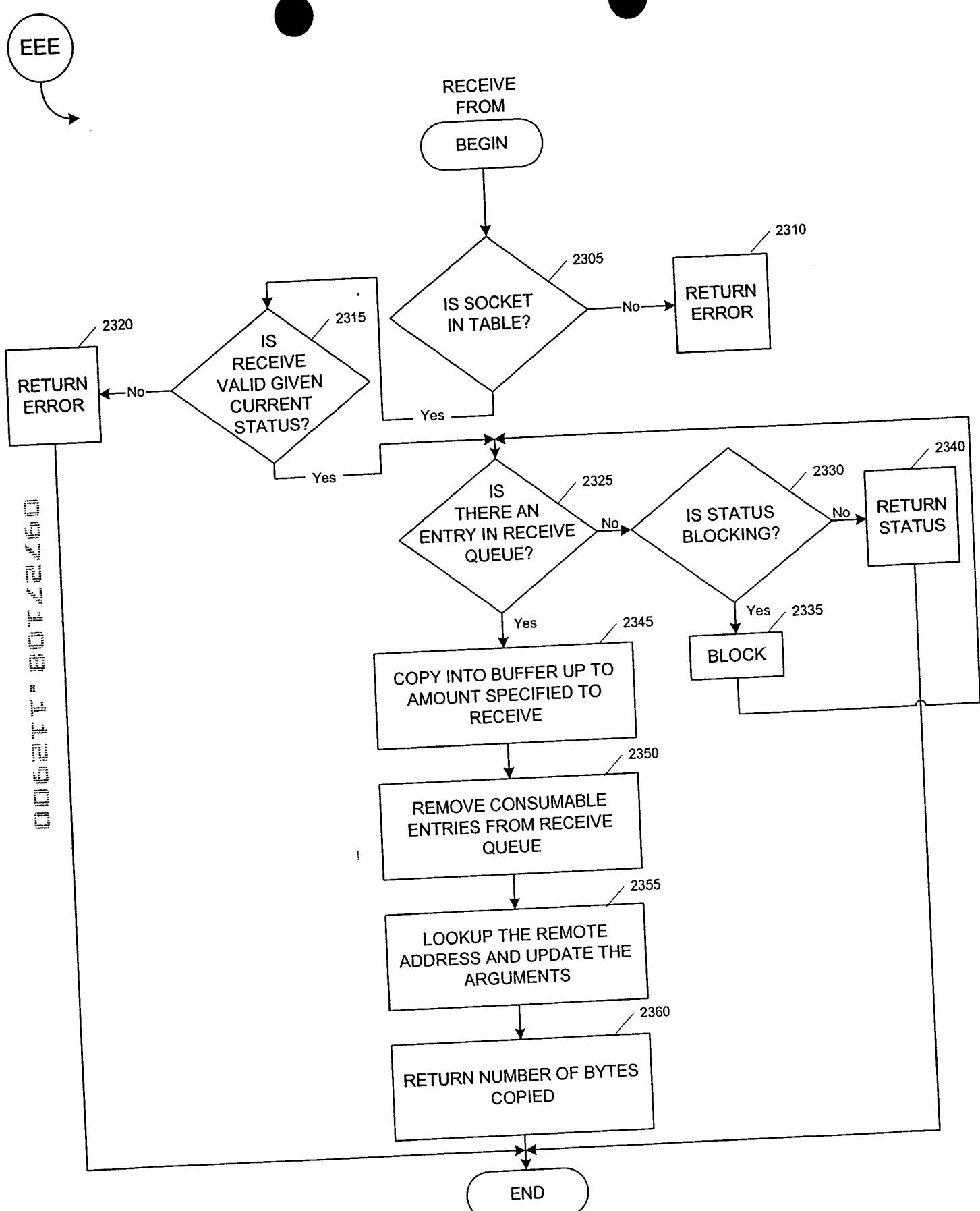
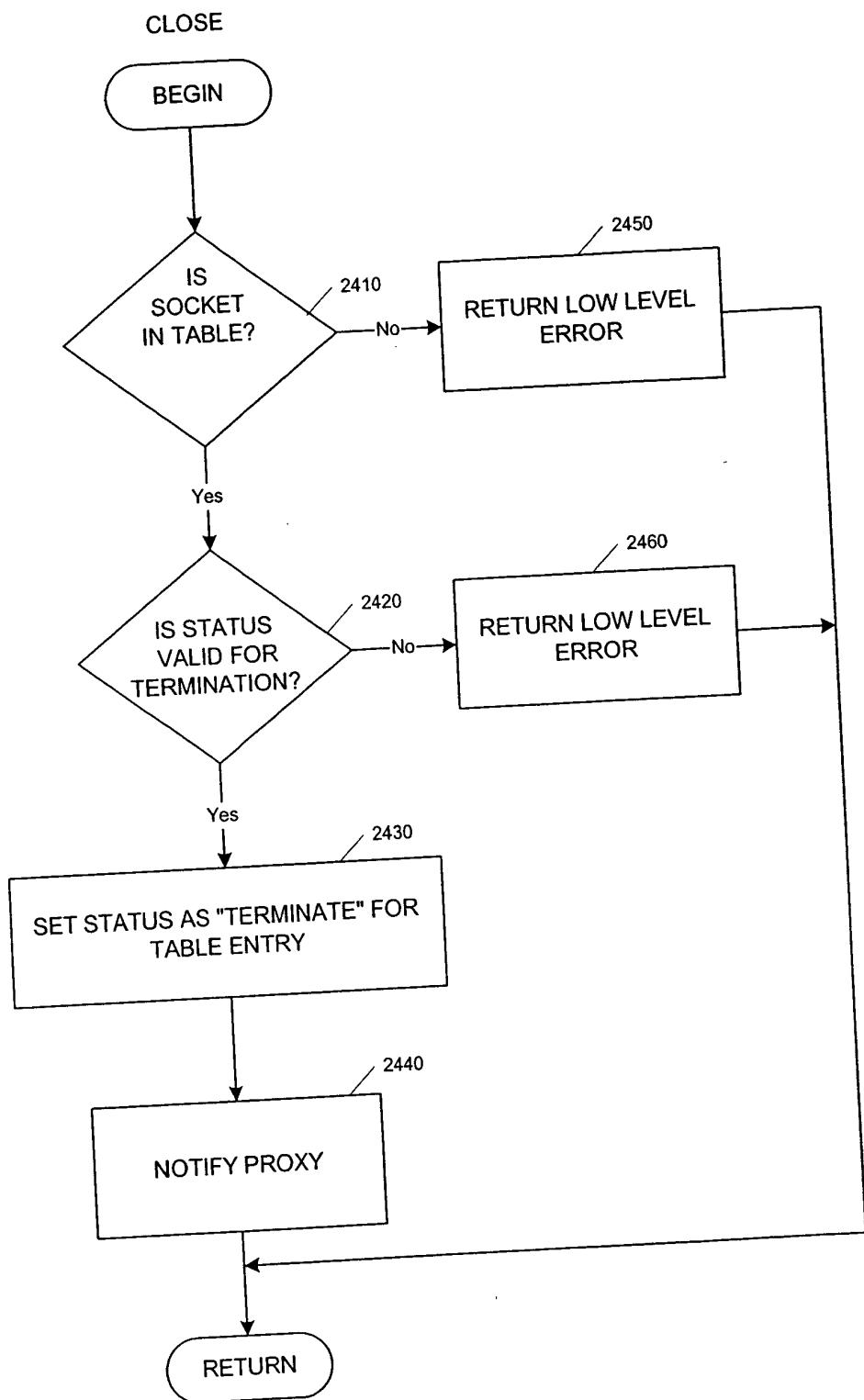


FIG. 23

FFF



00000000000000000000000000000000

FIG. 24

GGG

00000000000000000000000000000000

SHUTDOWN

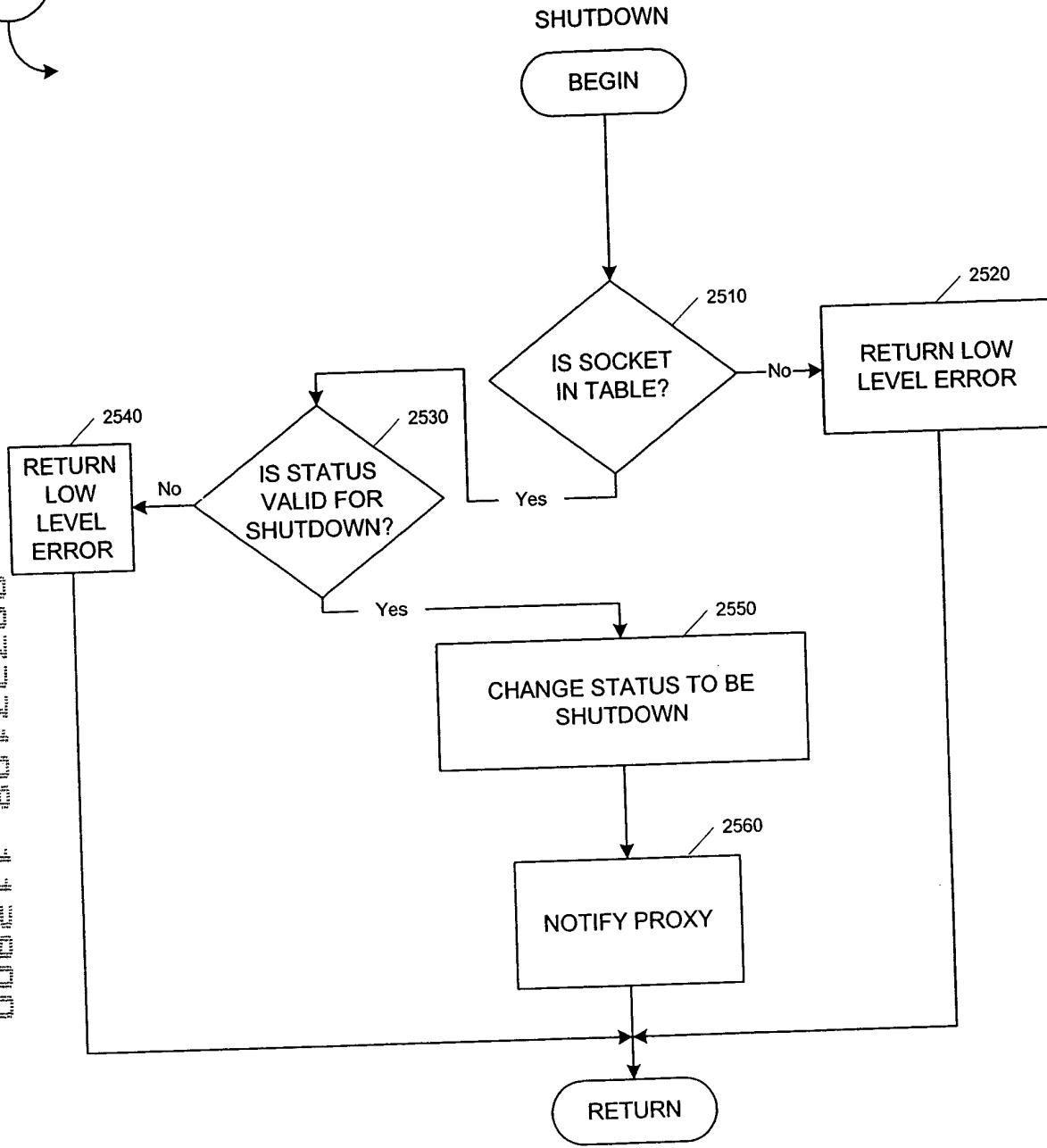


FIG. 25

HHH

005211-30722260

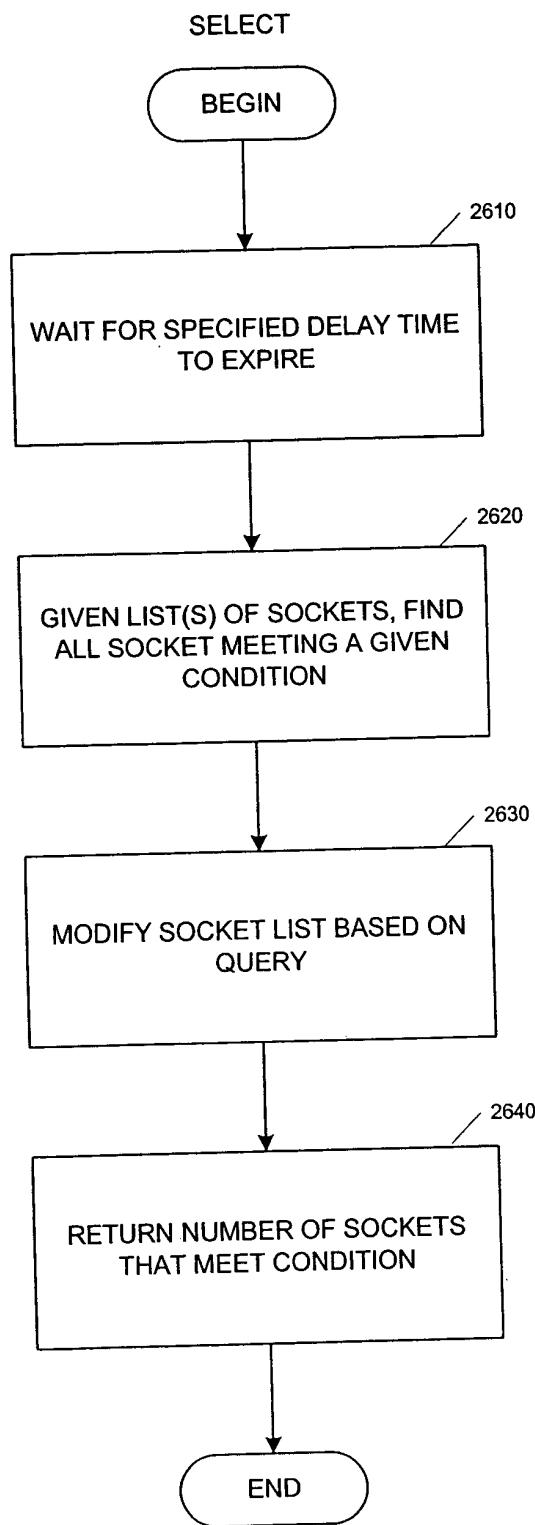
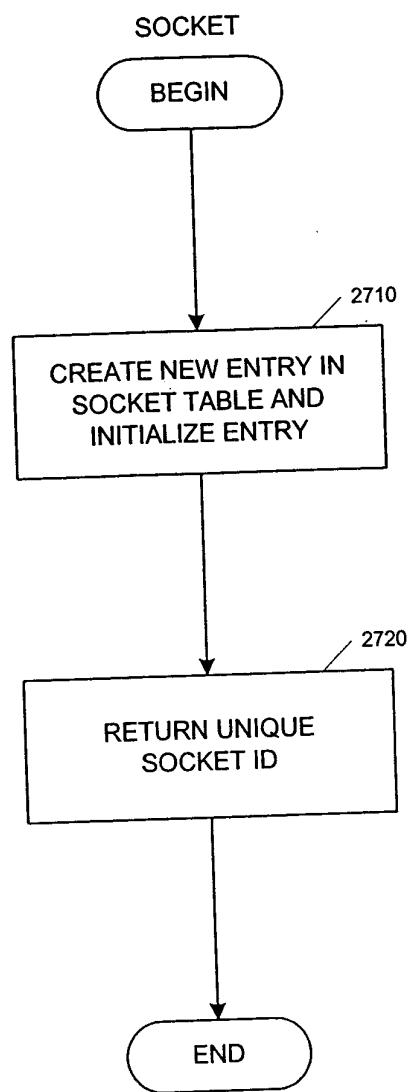


FIG. 26

III
1845



06227408 - 112900

FIG. 27

JJJ

00227108-1112900

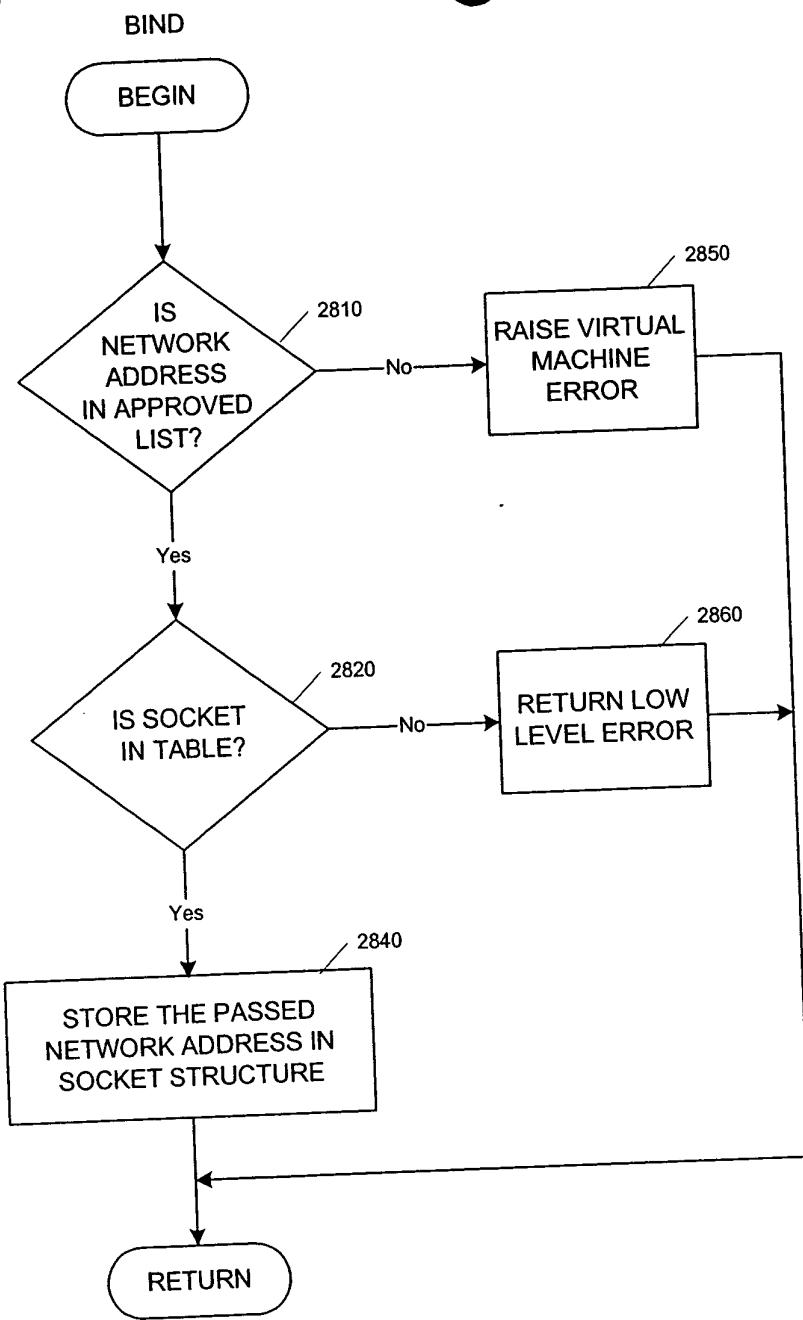


FIG. 28

KKK

CONNECT

BEGIN

IS ADDRESS
IN APPROVED
LIST?

2910

RAISE VIRTUAL
MACHINE
ERROR

2960

IS SOCKET
IN TABLE?

2920

RETURN LOW
LEVEL ERROR

2970

IS STATUS
FLAG
VALID FOR
CONNECT?

2930

RETURN LOW
LEVEL ERROR

2980

UPDATE STATUS FLAG ENTRY TO
BE CONNECTING

2940

NOTIFY PROXY

2950

RETURN

0002111-0010223360

FIG. 29

LLL

LISTEN

BEGIN

IS SOCKET
IN TABLE?

3010

RETURN LOW
LEVEL ERROR

3040

Yes

IS STATUS
FLAG VALID
FOR LISTEN?

3020

RETURN LOW
LEVEL ERROR

3050

Yes

UPDATE STATUS FLAG TO LISTEN
AND INITIALIZE CONNECTION
QUEUE

3030

RETURN

00000000000000000000000000000000

FIG. 30

MMM

00000000000000000000000000000000

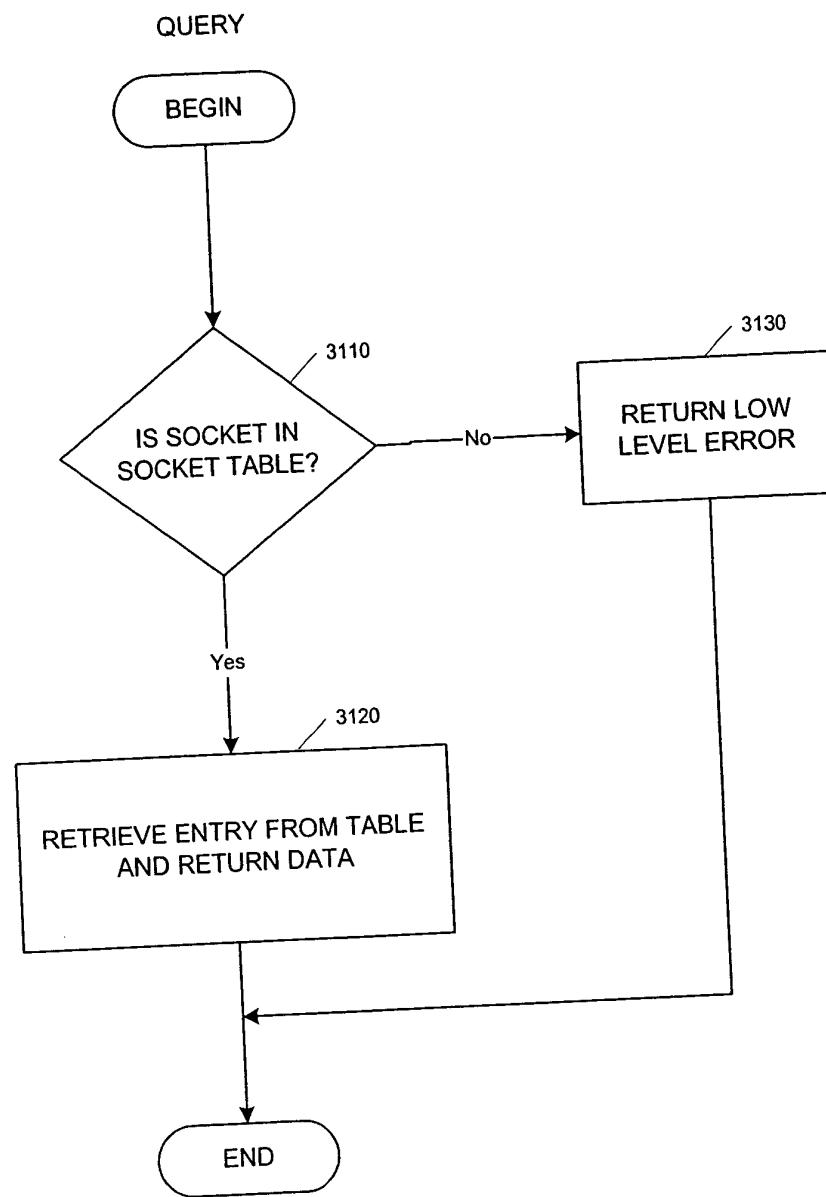


FIG. 31

NNN

00052211-0010-0000-0000-000000000000

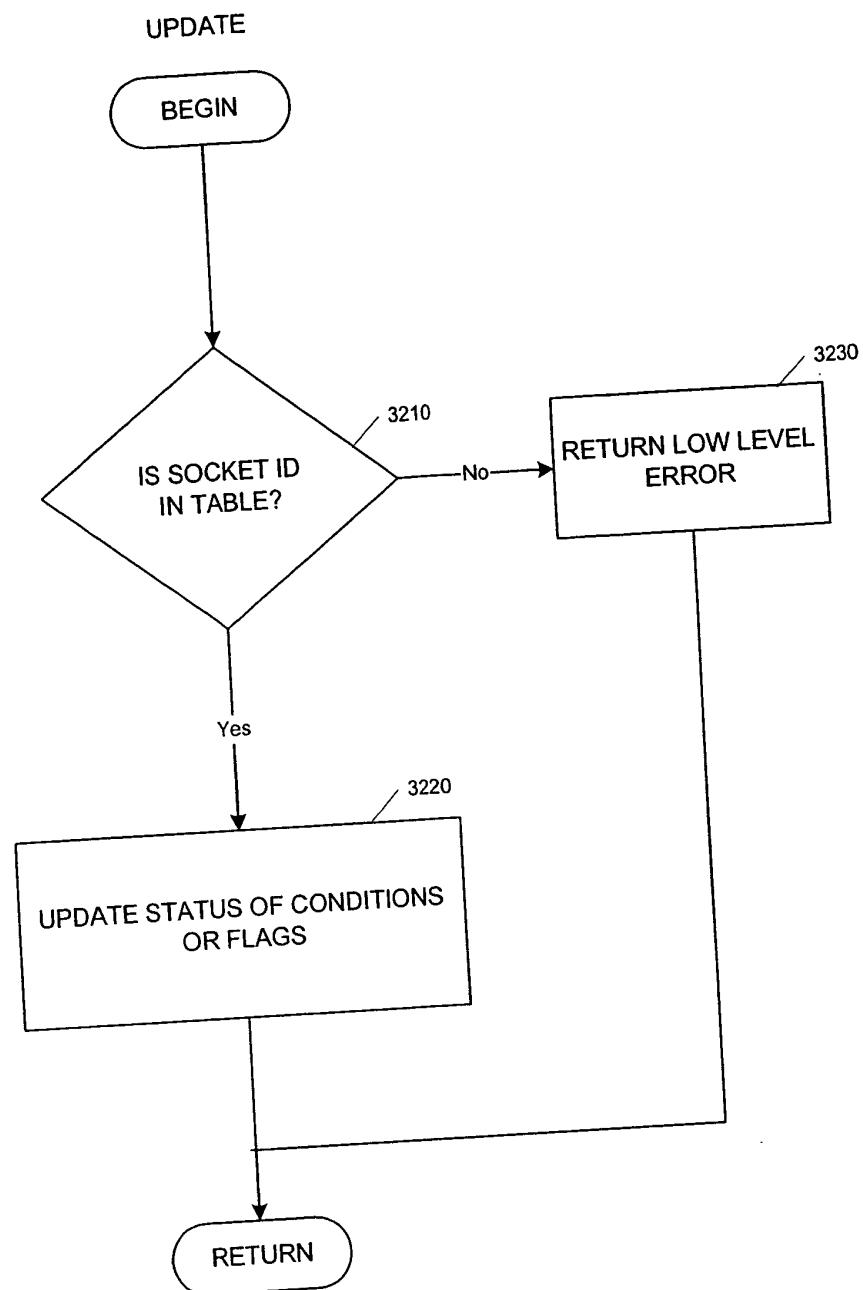


FIG. 32

0222108-112900

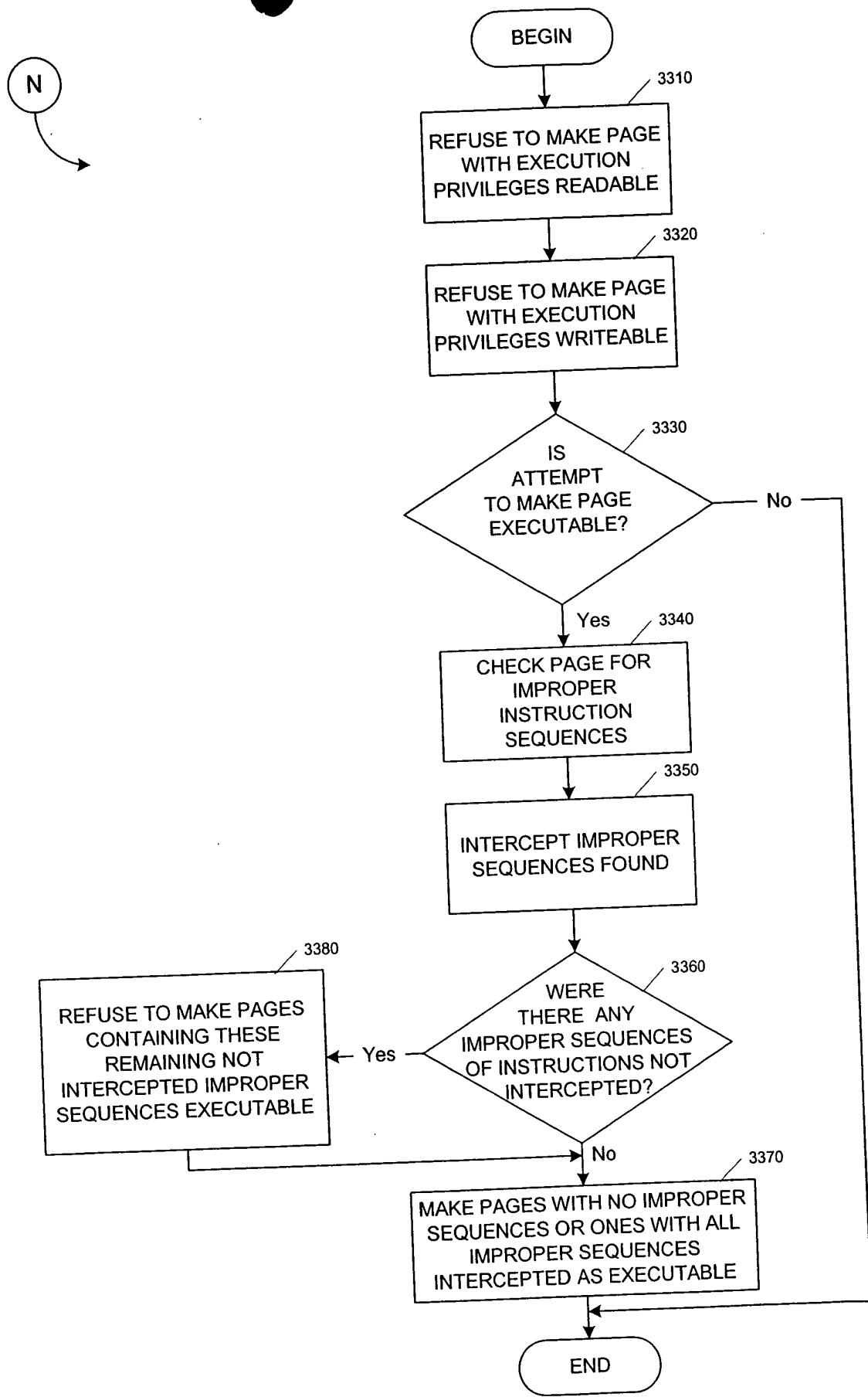


FIG. 33

O

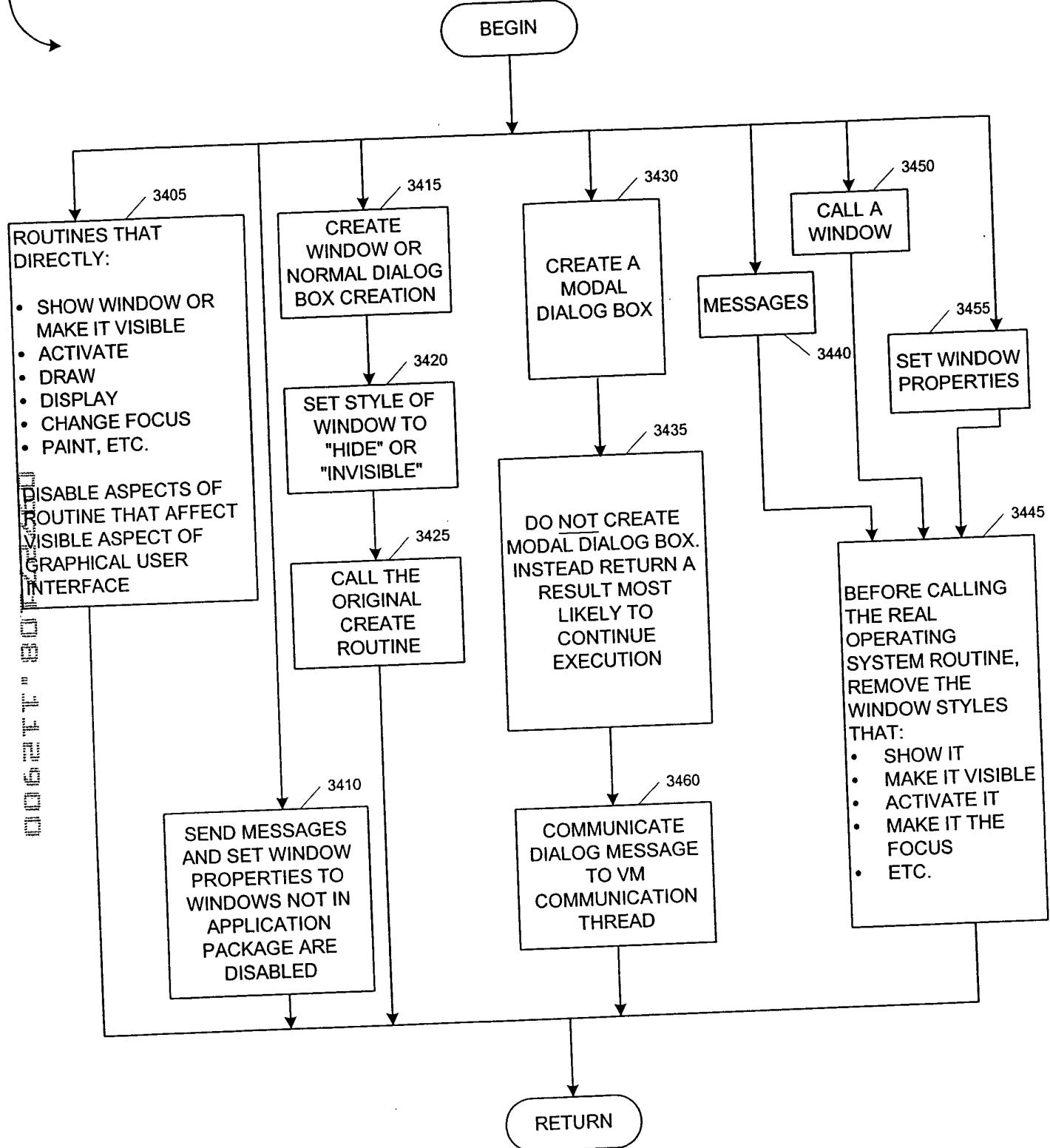
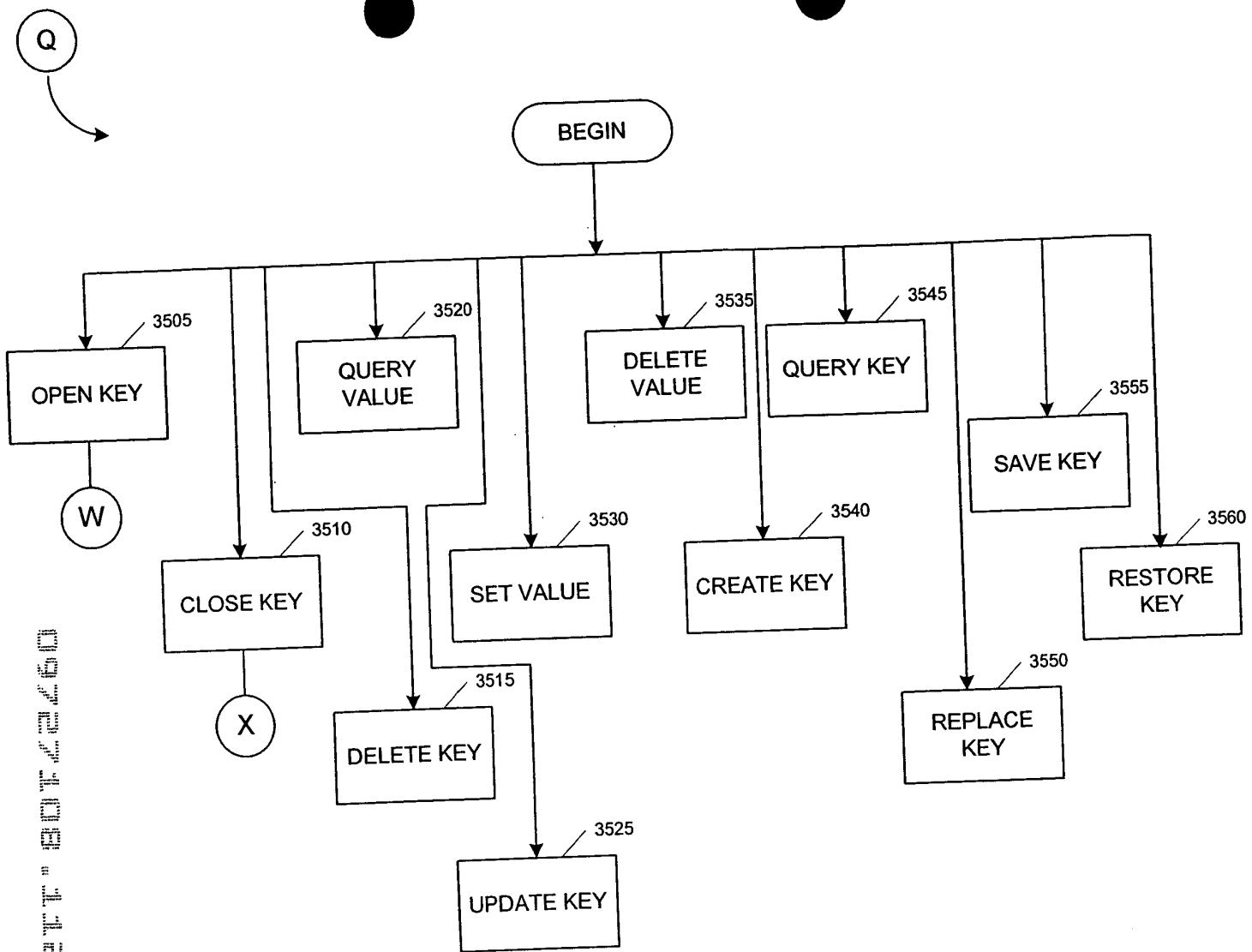


FIG. 34



02737106 - 112900

FIG. 35

W

00162277-8074-22900

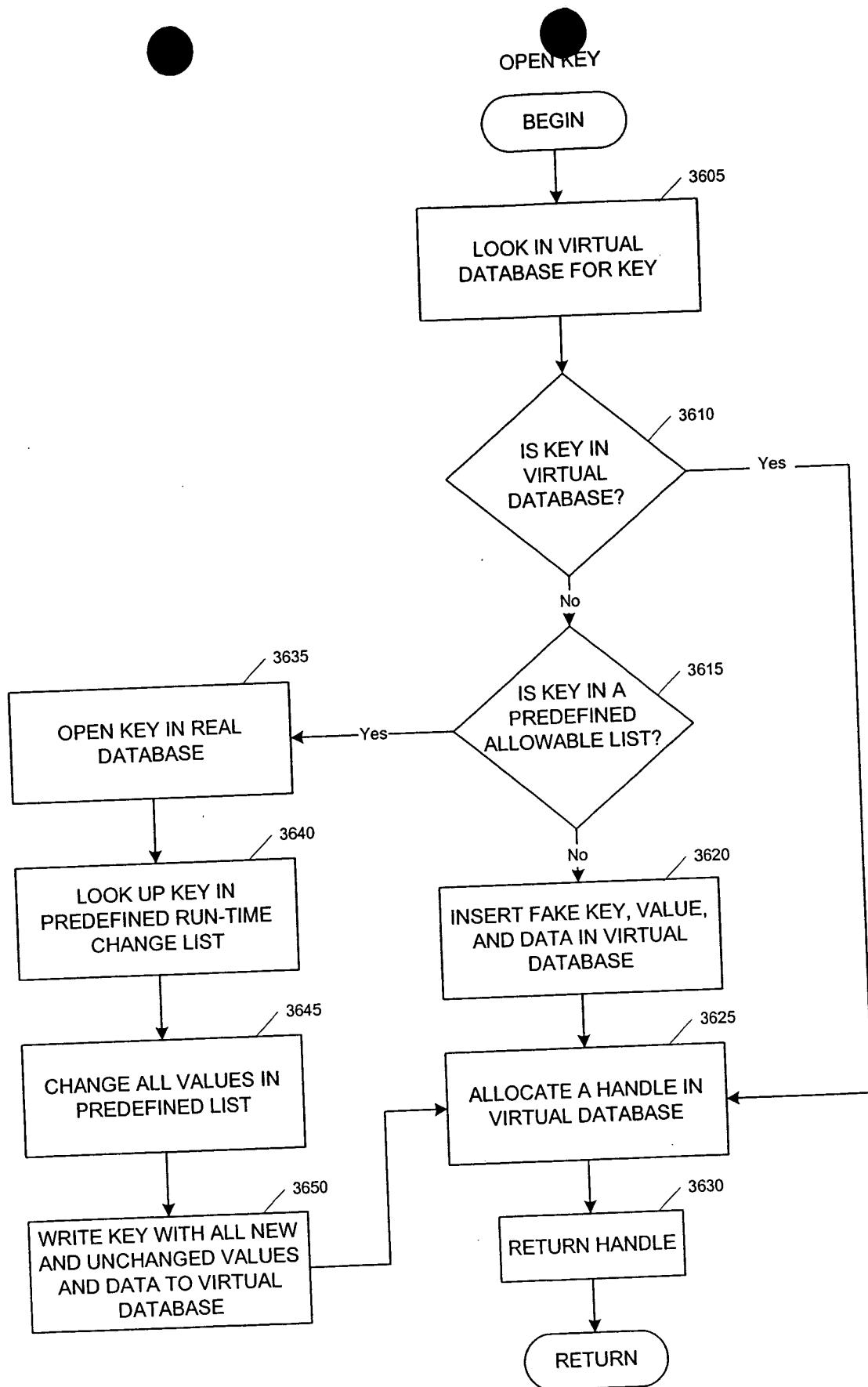


FIG. 36

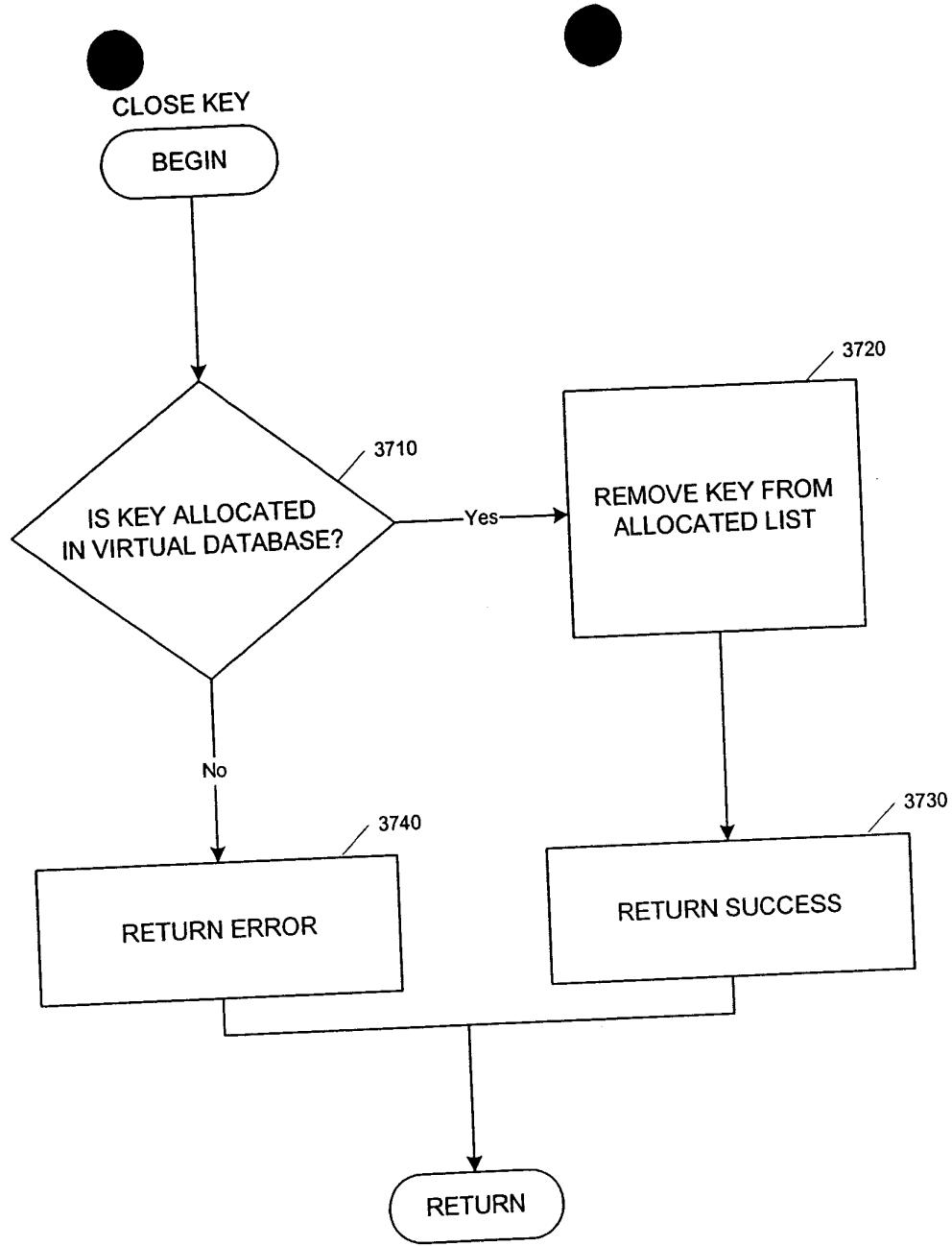


FIG. 37

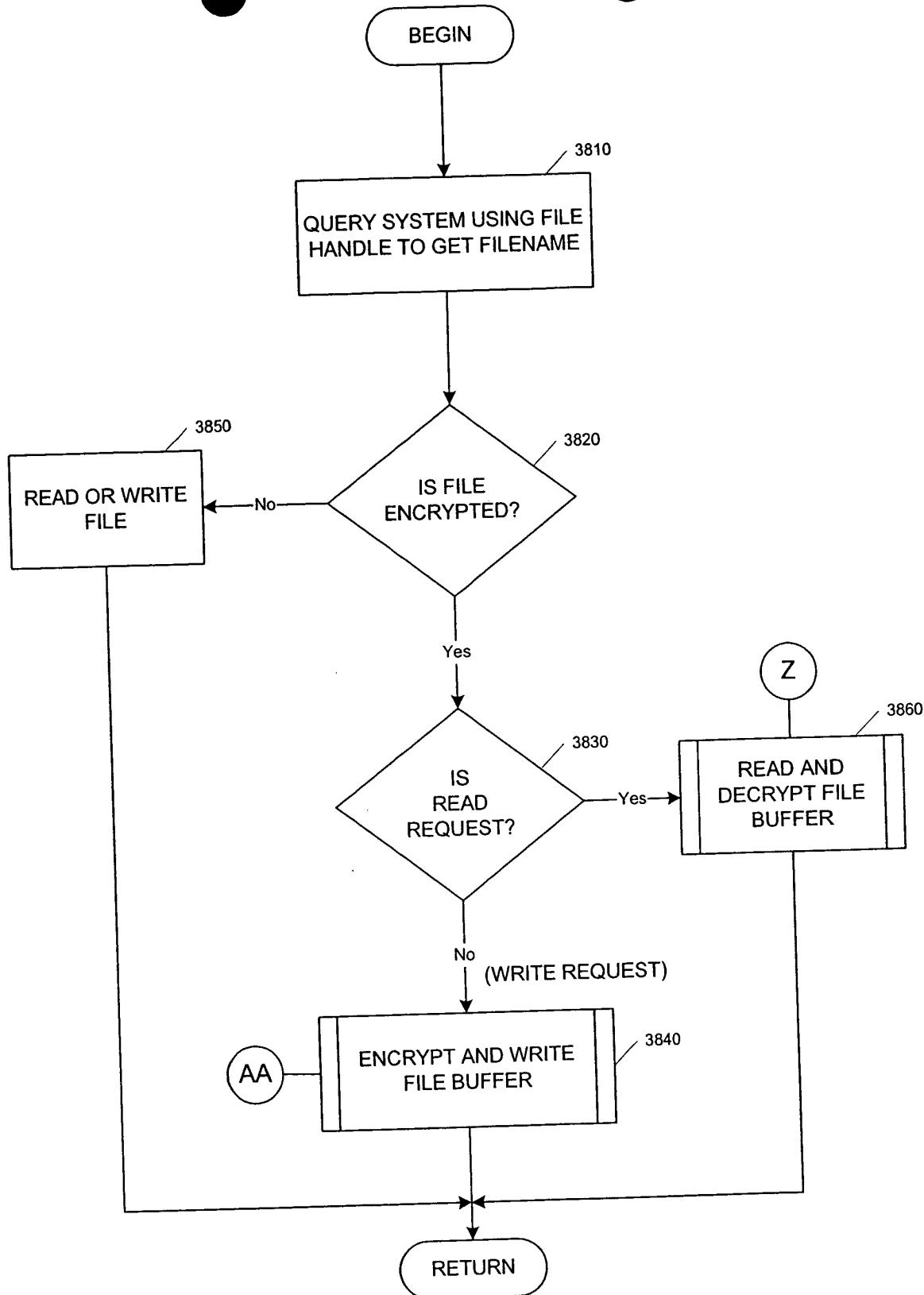


FIG. 38

Z

0002FT = 8010F23260

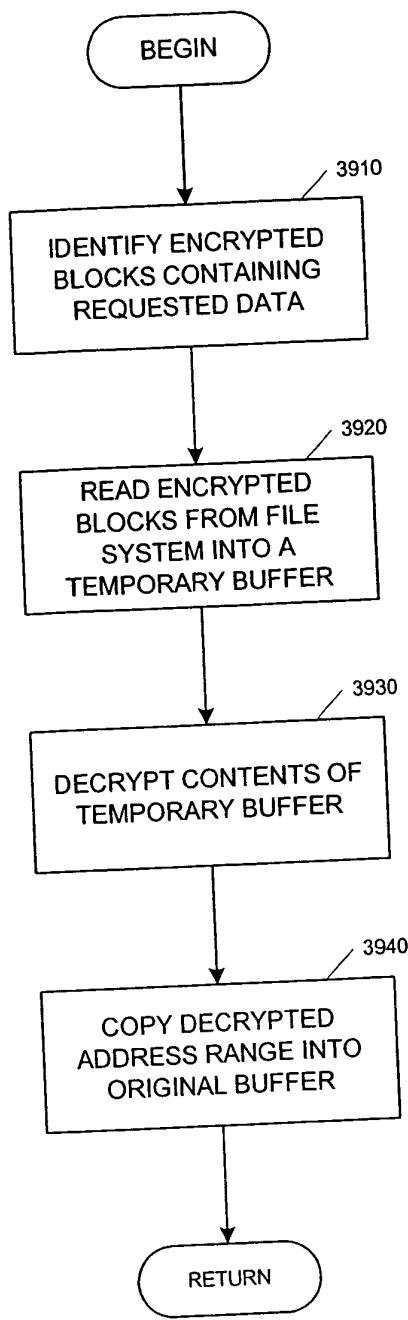
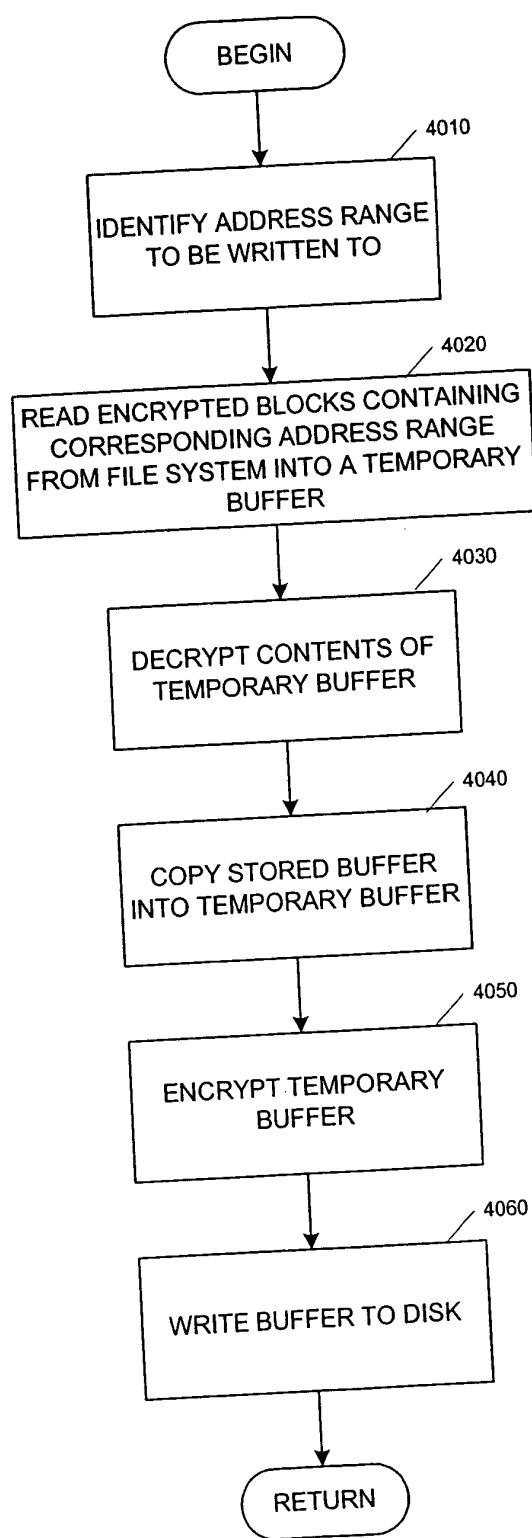


FIG. 39

AA



006277-00172260

FIG. 40

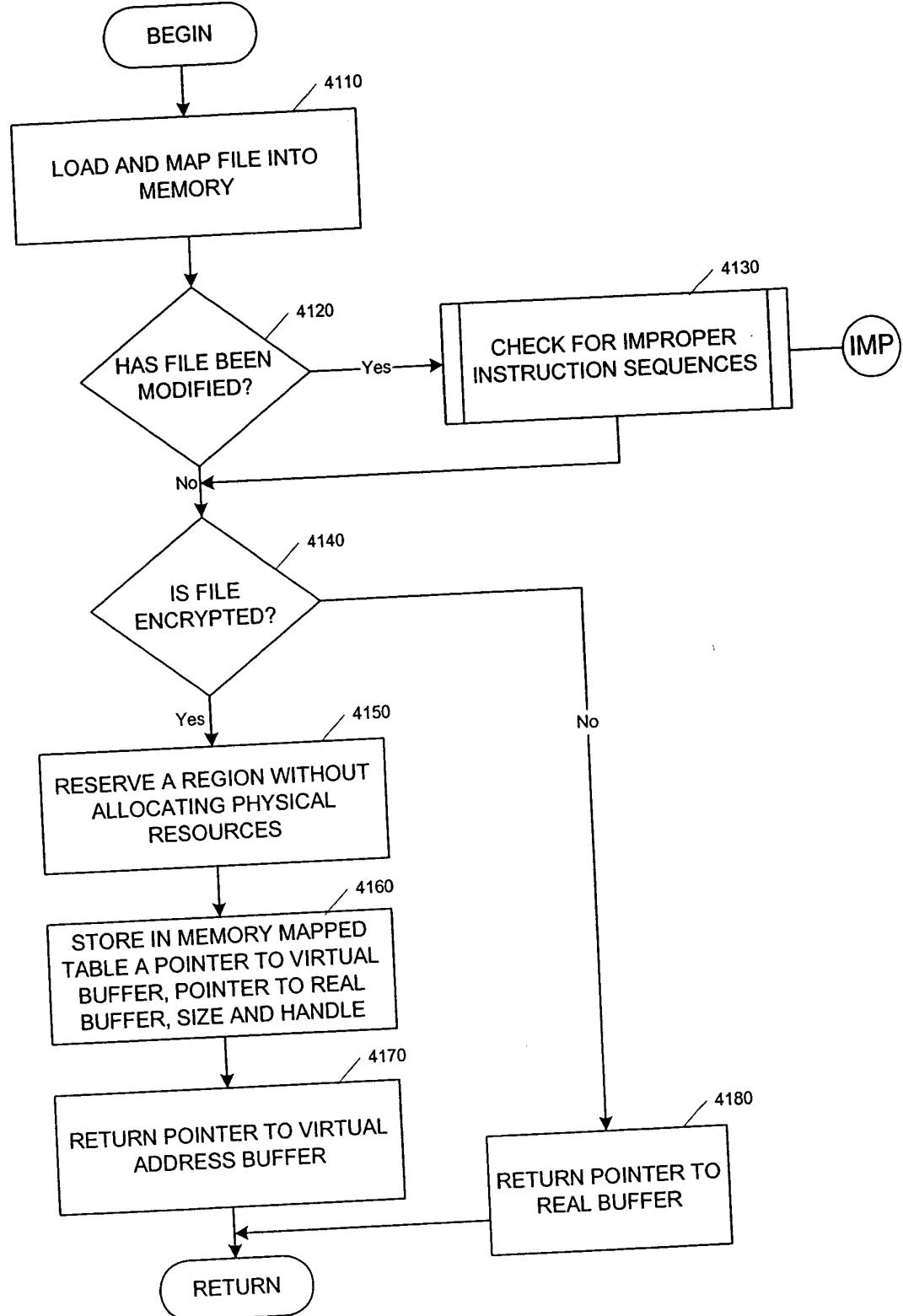


FIG. 41

ALTERNATE TO FIG.41)

0006207800

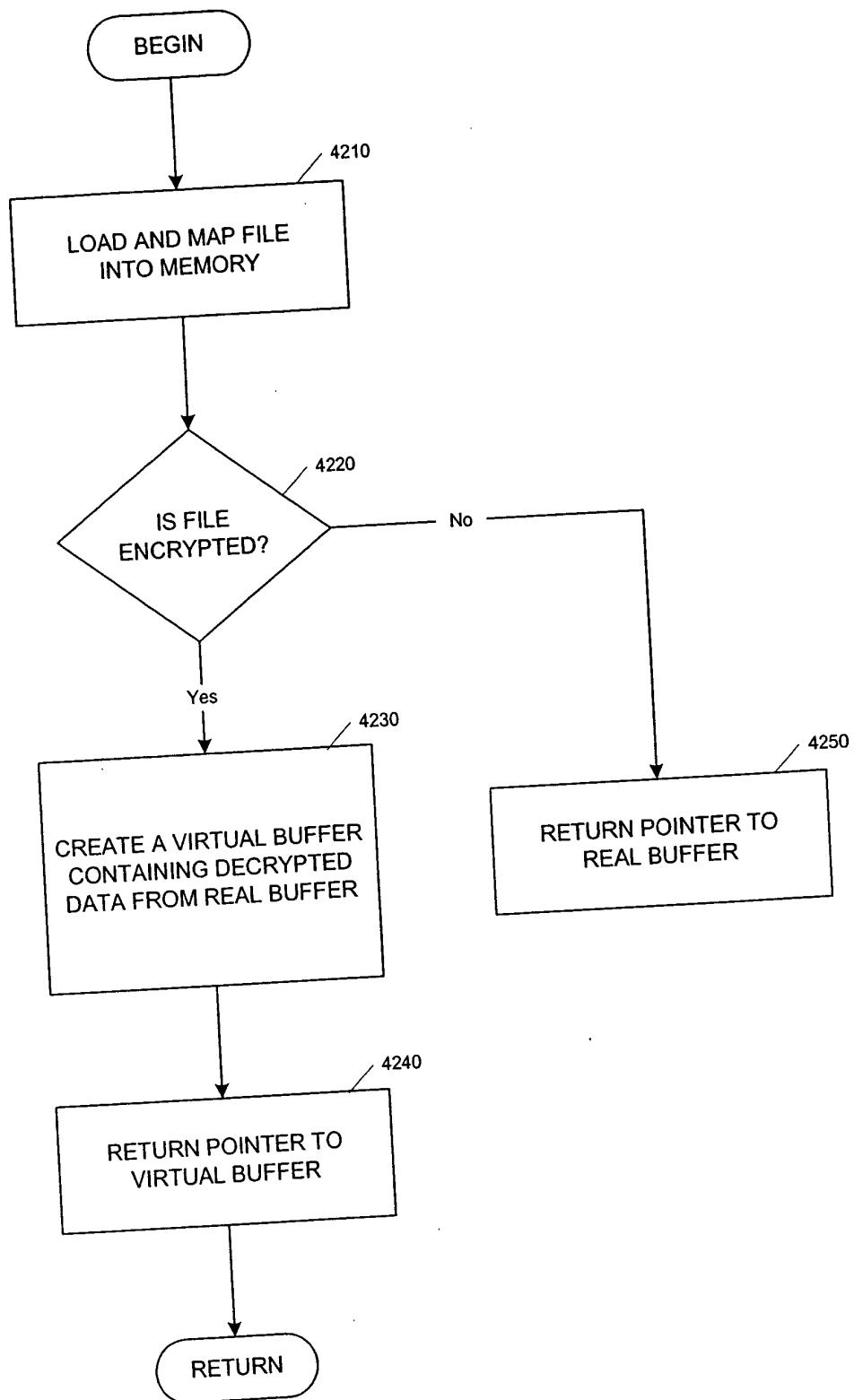


FIG. 42

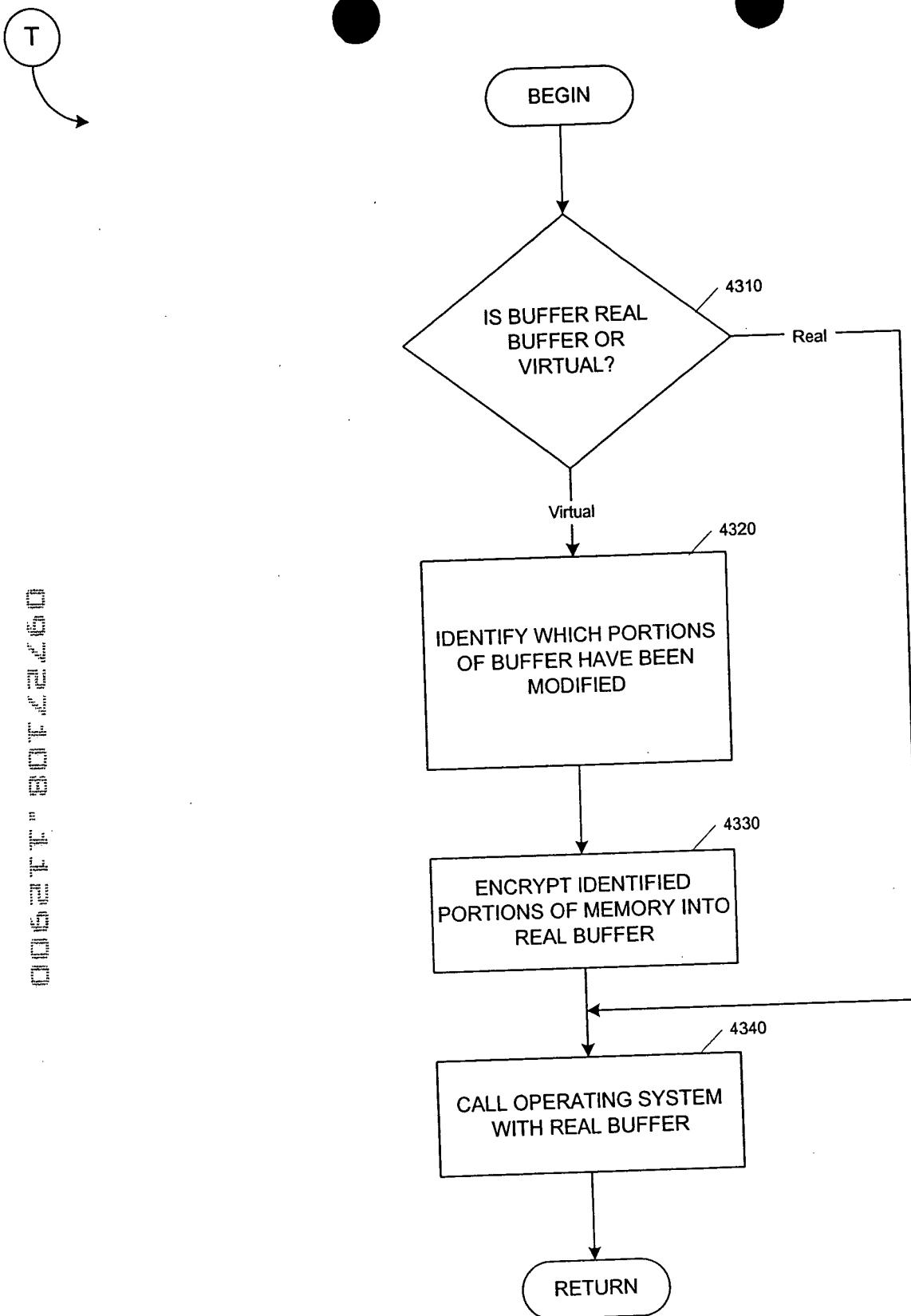


FIG. 43

U

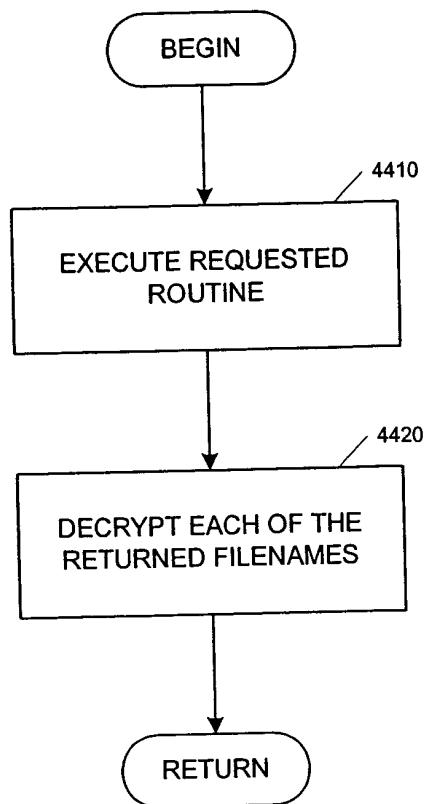


FIG. 44

0922108 - 312300

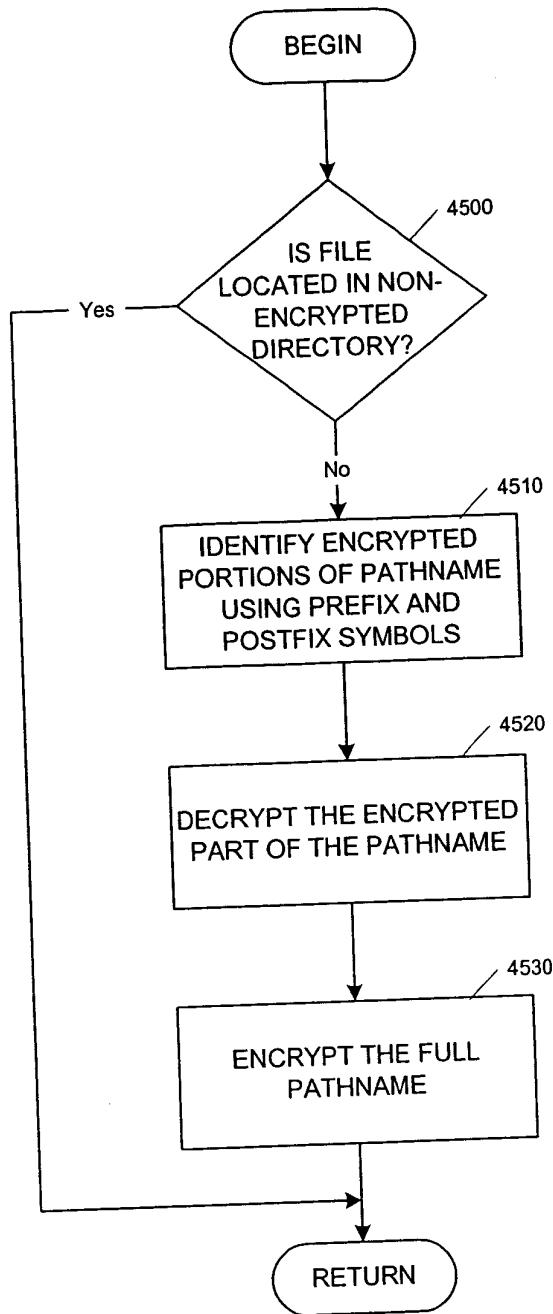


FIG. 45

TRADITIONAL
SYSTEM LAYOUT

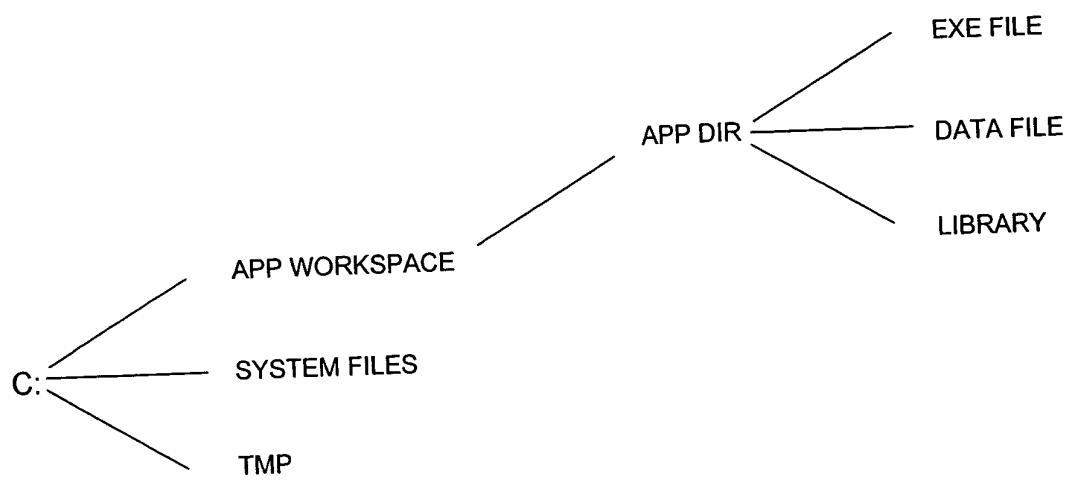


FIG. 46

VIRTUALIZED
SYSTEM LAYOUT

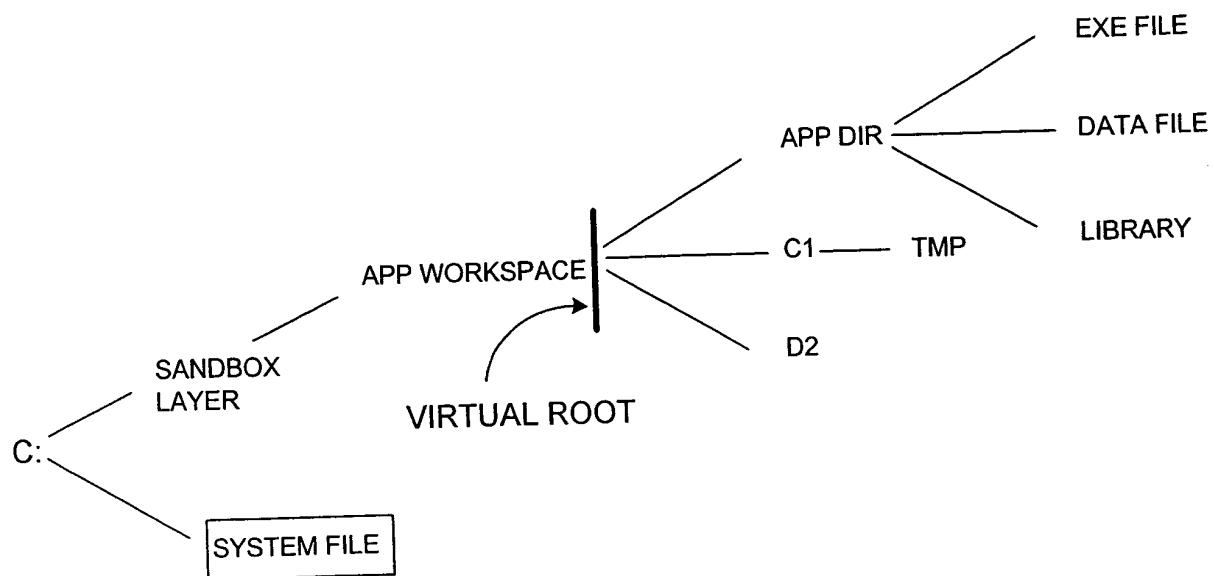


FIG. 47

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SOCKET TABLE

"ENTRY" LOCAL SOCKET STRUCTURE	REMOTE SOCKET STRUCTURE	SOCKET STATUS	SOCKET OPTIONS	SEND QUEUE	RECEIVE QUEUE	CONNECTION QUEUE
4804						
4808						
4812						
4816						
4820						
4824						
4828						
4832						

4800



SOCKET STRUCTURE

- UNIQUE SOCKET ID
- SOCKET TYPE
- PROTOCOLS
- OPTIONS
- NETWORK ADDRESSES
- EVENT
- FAMILY
- BLOCKING

SOCKET STATUS

- UNCONNECTED
- RECEIVING
- SENDING
- LISTENING
- CONNECTED
- DISCONNECTED
- TERMINATED
- SHUTDOWN
- BOUND
- CONNECTING

FIG. 48

DOCUMENT 807-11290

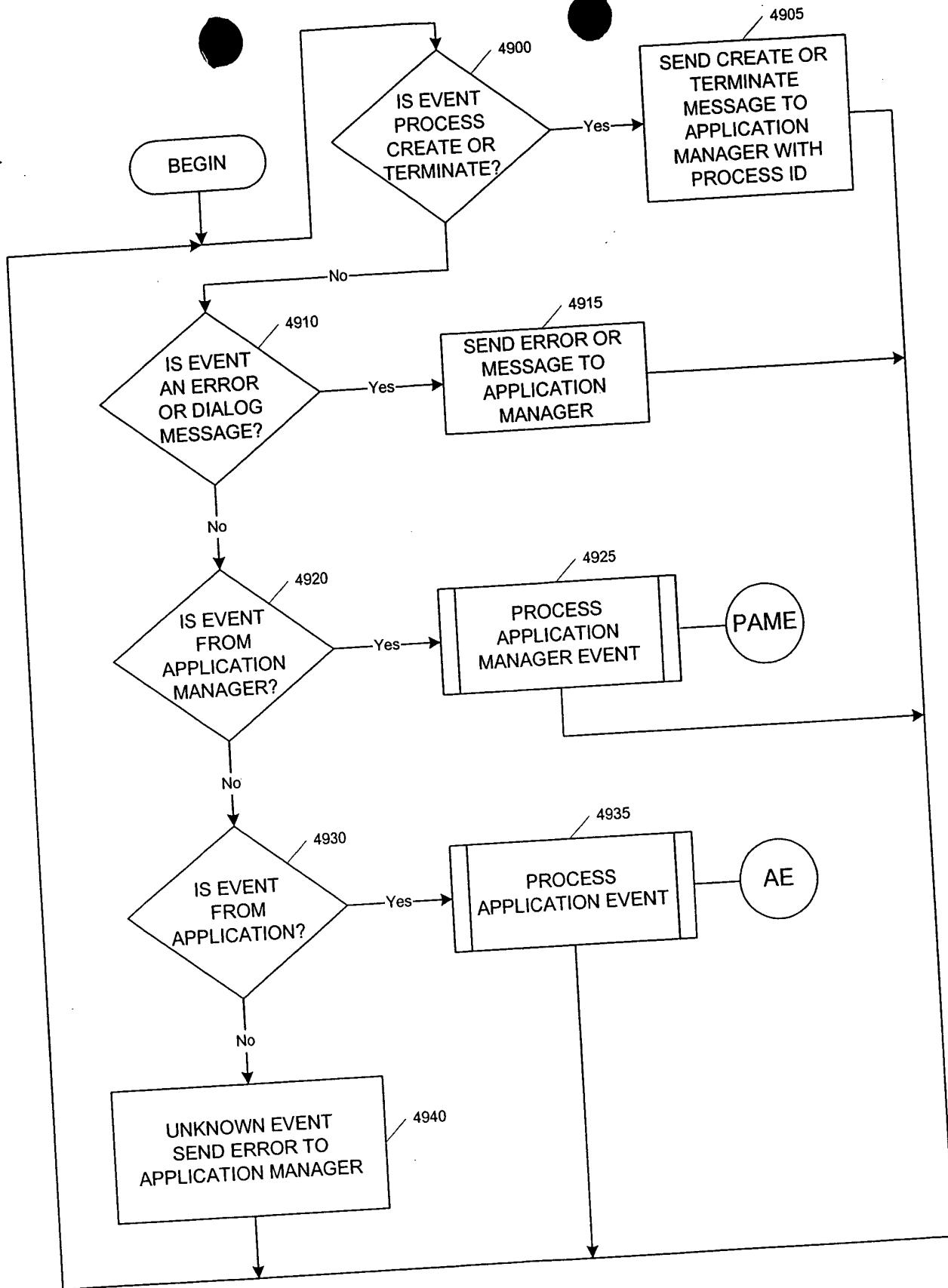


FIG. 49

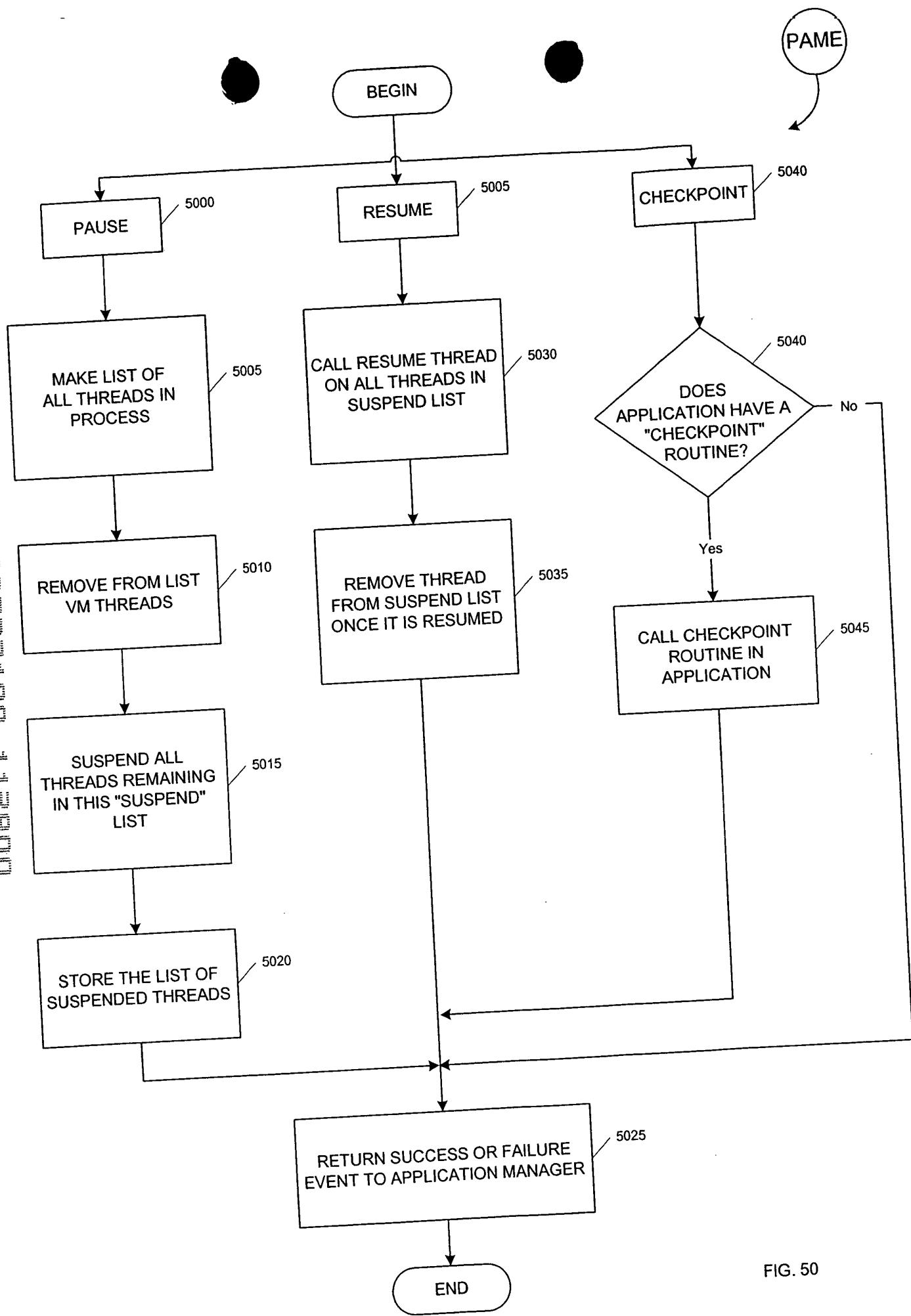


FIG. 50

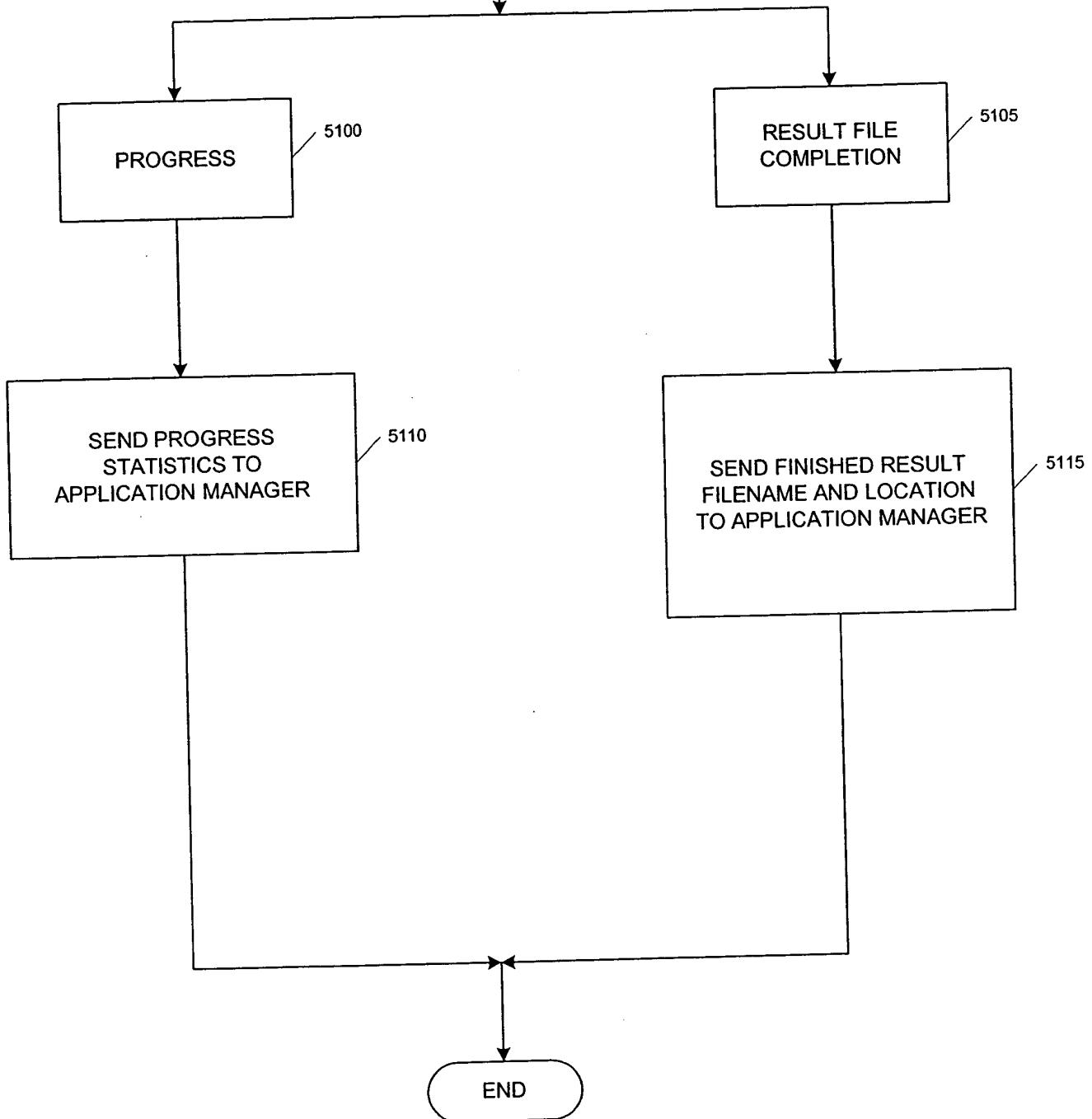


FIG. 51